




3 1761 11708145 5

CA1
MU 1
-73S02

GOVT



Digitized by the Internet Archive
in 2023 with funding from
University of Toronto

<https://archive.org/details/31761117081455>

CAI
MU 1
-73502



Government
Publications

DEPARTMENT OF THE ENVIRONMENT
Ottawa

JAMES BAY

July 20 to October 30, 1972



No. 2

1973 Data Record Series

Canada

Canadian Oceanographic Data Centre

Programmed by the
Canadian Committee on Oceanography

1973

© Crown Copyrights reserved

Requests for copies should be sent to:

The Canadian Oceanographic Data Centre, Dept. of the Environment, 615 Booth Street, Ottawa

Catalogue No. M 58-1/1973-2

Information Canada

Ottawa

1973

CAI
MUL
-73507

JAMES BAY

July 20 to October 30, 1972

CODC Reference: 1807-72001

No. 2

1973 Data Record Series

Canadian Oceanographic Data Centre

615 Booth St., Ottawa, Canada

Programmed by the Canadian Committee on Oceanography

DEPARTMENT OF THE ENVIRONMENT

JAMES BAY

| | |
|---------------------------|---|
| Ship: | CCGS Narwhal |
| CODC cruise reference no: | 1807-72001 |
| Cruise period: | July 20 - October 30, 1972 |
| Officer-in-Charge: | T.W. Pullen |
| Observers: | L.R. Muir J.H. Weller D. Wills B. Wright |

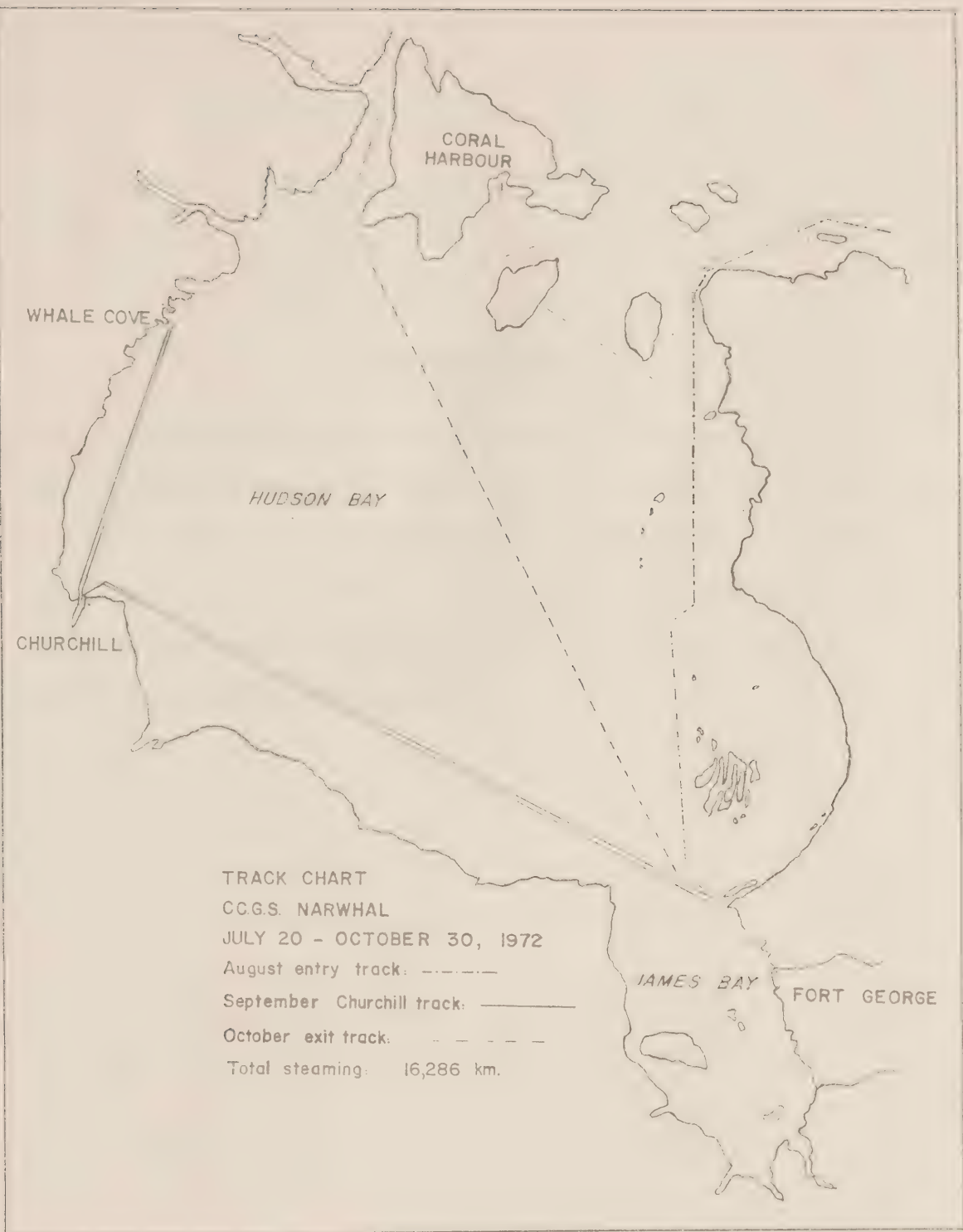
MARINE SCIENCES DIRECTORATE

CENTRAL REGION

Canadian Centre for Inland Waters
Burlington, Ontario

SECTION I

Description of data collection procedures



INTRODUCTION

The prime motivation for the James Bay survey in 1972 was to provide baseline data for the evaluation of the oceanic impact of the diversion of water into La Grande Rivière as a result of the James Bay hydro project. This program was carried out at several times during the hydrographic field season.

OBSERVATIONAL and LABORATORY PROCEDURES

There were 16 station positions in James Bay that were occupied at the beginning, middle and end of the season, giving a total of 65 stations. Station positions x, xi, xii, xiii, xiv, xv, and xvi were occupied at fortnightly intervals as well.

At each station a Knudsen bottle cast was taken to provide water samples for salinity and dissolved oxygen determinations. These bottles also carried Yoshino and Richter and Wiese reversing thermometers that were used to provide sub-surface temperatures.

The salinity samples were analysed onboard ship with a Hytech inductively coupled salinometer, Model 621. The oxygen samples were done using the modified Winkler method.

A Bissett Berman STD was used to provide on-station profiles, but only the first 50 stations are considered reliable because an irreparable malfunction in the instrument prevented its further use. The acceptable STD traces were manually digitized at inflection points, and at levels where reversing bottles had been placed so that dissolved oxygen values could be reported. The STD values of temperature and salinity given in this report are distinguishable from the reversing bottle data by the letter P which immediately follows the value (see "Explanation of Data Record Headings"). A comparison of STD traces and bottle values was done and is found in the "James Bay Data Report, 1972" (Pullen). Copies of this report are available upon request from: Marine Sciences Directorate, Department of the Environment, Canada Centre for Inland Waters, Lake Shore Blvd., Burlington, Ontario.

The biological sampling was carried out with vertical tows of a 3/4m net with a No. 6 mesh. The samples were analysed by the Marine Ecology Laboratory at the Bedford Institute of Oceanography, and the results were published (Pullen 1972).

The geological sampling was done with a Dietz-Lafond bottom grab and an Alpine corer. The bottom grab samples were analysed (Pullen 1972), but the cores have not been done to date.

Both the Biological and Geological samples are stored at the Bedford Institute of Oceanography.

REMARKS CONCERNING DATA LISTINGS

Station Master heading No. 24, labelled UNAS, contains various bits of useful information. This field has five positions.

The first position contains one of three letters B, N or S.

- B means a Bissett Berman STD cast was taken.
- N means no cast was taken.
- S means no salinity trace (partial malfunction).

The next position contains either a P or an N.

- P signifies a plankton haul was taken.
- N signifies no haul was taken.

The final three positions contain the Secchi disc values obtained, given in decimeters.

- D indicates a night station where no reading was taken.
- L indicates the disc was lost and no readings were possible.

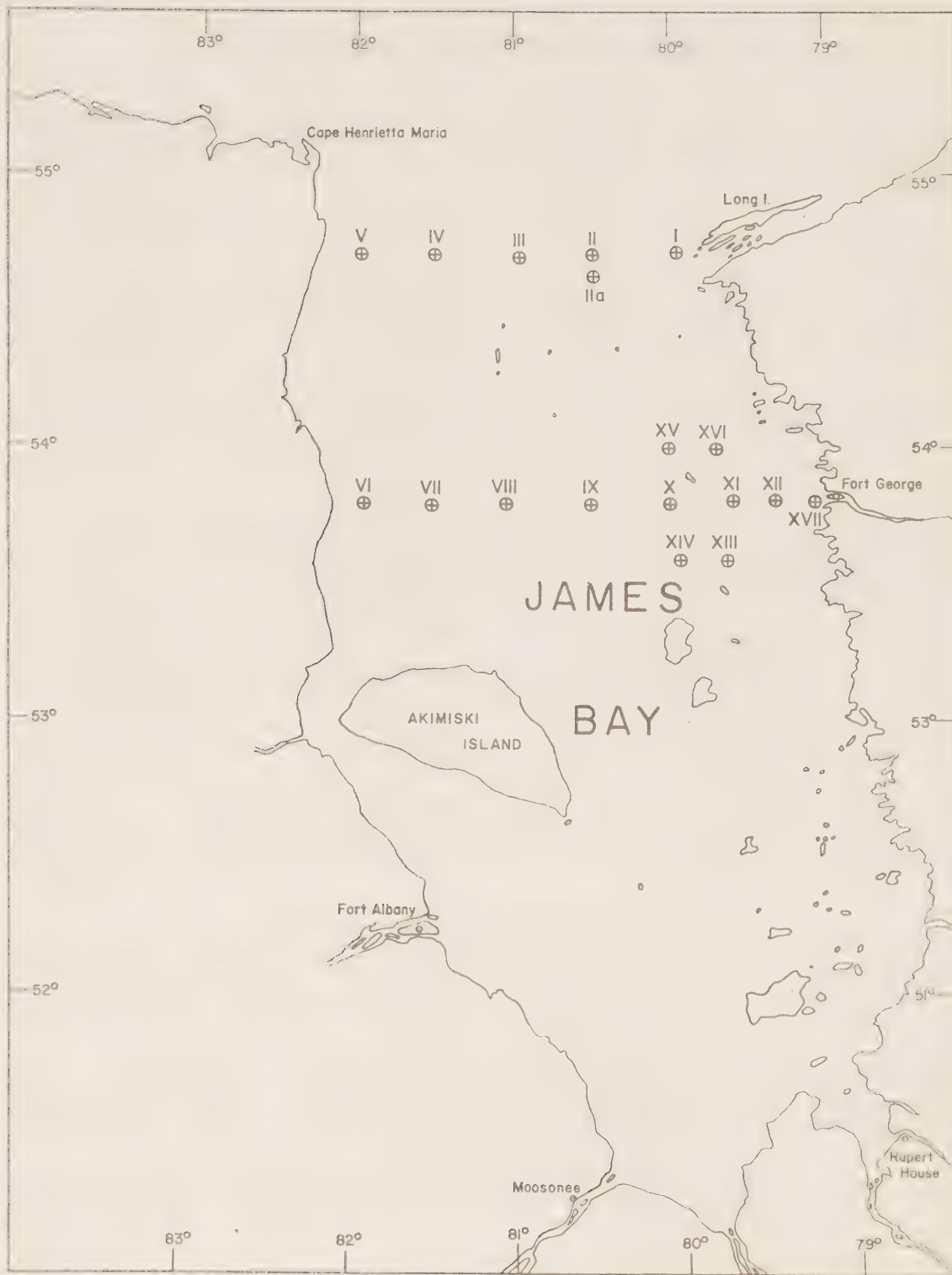


Fig.1 Oceanographic Stations

| Oceanographic Station Number | Consecutive Station Number | | | | | |
|---------------------------------|-------------------------------|----|----|----|----|----|
| I | 1 | 42 | 65 | | | |
| II | 2 | 41 | 64 | | | |
| IIA | 40 | | | | | |
| III | 3 | 39 | 63 | | | |
| IV | 4 | 38 | 62 | | | |
| V | 5 | 37 | 61 | | | |
| VI | 6 | 36 | 60 | | | |
| VII | 7 | 35 | 59 | | | |
| VIII | 8 | 34 | 58 | | | |
| IX | 9 | 33 | 57 | | | |
| X | 10 | 20 | 27 | 32 | 48 | 52 |
| XI | 11 | 23 | 29 | 44 | 53 | |
| XII | 12 | 24 | 28 | 45 | 54 | |
| XIII | 13 | 18 | 25 | 46 | 50 | |
| XIV | 14 | 19 | 26 | 47 | 51 | |
| XV | 15 | 21 | 31 | 49 | 56 | |
| XVI | 16 | 22 | 30 | 43 | 55 | |
| XVII | 17 | | | | | |

TABLE 1. Oceanographic station numbers with corresponding consecutive station numbers.

| STATION | LAT (N) | LONG (W) | DATES OCCUPIED | | | | | |
|---------|----------|----------|----------------|-------|-------|-------|-------|-------|
| | | | Da/Mo | Da/Mo | Da/Mo | Da/Mo | Da/Mo | Da/Mo |
| I | 54°45.5' | 80°00.5' | 07 08 | 18 09 | 14 10 | | | |
| II | 54°46.0' | 80°24.5' | 08 08 | 18 09 | 13 10 | | | |
| IIA | 54°40.2' | 80°23.0' | 18 09 | | | | | |
| III | 54°46.0' | 80°58.5' | 08 08 | 18 09 | 13 10 | | | |
| IV | 54°46.0' | 81°32.5' | 08 08 | 18 09 | 13 10 | | | |
| V | 54°47.6' | 82°00.5' | 08 08 | 18 09 | 13 10 | | | |
| VI | 53°49.5' | 81°49.0' | 09 08 | 17 09 | 13 10 | | | |
| VII | 53°49.5' | 81°26.5' | 09 08 | 17 09 | 13 10 | | | |
| VIII | 53°49.5' | 81°02.5' | 09 08 | 17 09 | 13 10 | | | |
| IX | 53°49.8' | 80°33.5' | 09 08 | 17 09 | 13 10 | | | |
| X | 53°50.5' | 80°01.0' | 09 08 | 30 08 | 14 09 | 16 09 | 01 10 | 11 10 |
| XI | 53°50.0' | 79°36.0' | 09 08 | 30 08 | 14 09 | 01 10 | 11 10 | |
| XII | 53°50.0' | 79°21.0' | 10 08 | 30 08 | 16 09 | 01 10 | 11 10 | |
| XIII | 53°37.5' | 79°36.0' | 10 08 | 30 08 | 14 09 | 02 10 | 11 10 | |
| XIV | 53°37.0' | 80°00.0' | 10 08 | 30 08 | 14 09 | 02 10 | 11 10 | |
| XV | 54°02.1' | 80°01.0' | 10 08 | 30 08 | 16 09 | 02 10 | 12 10 | |
| XVI | 54°02.0' | 79°48.0' | 10 08 | 30 08 | 16 09 | 02 10 | 12 10 | |
| XVII | 53°49.3' | 79°50.2' | 11 08 | | | | | |

TABLE 2. Oceanographic station numbers with latitude and longitude, showing dates occupied.

SECTION II

Description of the machine-generated data record

DESCRIPTION OF THE DATA RECORDS

GENERAL REMARKS

This Data Report contains oceanographic station data for the cruise indicated on the title page. The data have been edited and processed by CODC's OCEANS IV program, and are archived in our Oceanographic Station Data File. Copies of the data can be provided in computer-compatible form on card or magnetic tape. A description of the OCEANS IV program and/or an outline of available output formats are available upon request. (OCEANS IV; A Processing, Archiving and Retrieval System for Oceanographic Station Data).

Most entries in the observed portion of the Data Records can be accompanied by an error code or doubtful marker. Errors are indicated only if the entry is based on duplicate or multiplicate measurements and are coded A through I in multiples of the last digit shown in the printout (see Table 6).

The Data Records are broken into three "blocks": the station master, observed data, and interpolated data blocks. The station master contains the identification, position, time and bottom depth of the station plus meteorological data and some general information. In the observed data block the temperature and salinity observations and derived parameters such as sigma-t, specific volume anomaly, etc. are given. It may be followed or replaced by a second group of observed data containing all observed parameters but no derived quantities. The third block contains interpolated values of all parameters at specified depth or pressure levels. It also can be replaced or followed by a second group of interpolated data containing all observed parameters but no derived quantities. This data block is included in the listing only if specifically requested by the data originator.

Interpolations can be carried out to standard oceanographic depth or pressure levels (see Table 7) or to depth or pressure levels specified by the data originator. Both observed and derived parameters are interpolated individually, using the nearest two observations (or calculated values) above and below the desired interpolation levels. Two hyperbola are fitted to these points and a weighted mean is determined as described by Reiniger and Ross (1968)* or by Rattray (1962).** Linear interpolation is used in all cases when fewer than two points above and two below the required level are available. On page 1 the interpolation technique used is specified (if applicable).

*Deep Sea Res., 15, p 185 - 193

**Deep Sea Res., 9, p 25 - 37

EXPLANATION OF DATA RECORD HEADINGS

Insignificant trailing digits of any parameter can be left blank on the data entry forms, but will be shown as zeros in the listings of all data except temperature and salinity.

STATION MASTER HEADINGS

| 1. CRUISE NUMBER | | | 2. STATION NUMBER | | |
|------------------|----------|--------------|-------------------|-----------|-----------|
| 3. LAT | 7. YEAR | 11. WAVE-P/H | 15. WND-DIR | 19. WW | 21. COUN |
| 4. LONG | 8. MONTH | 12. SWEL-P/H | 16. WND-SPD | 20. CLD-A | 22. INST |
| 5. DEPTH | 9. DAY | 13. SWEL-D | 17. AIR-TEMP | | 23. RESTR |
| 6. MARSD SQ | 10. H/M | 14. BARO | 18. WET BLB | | 24. UNAS |

- | | |
|--------------------------------|---|
| (1) CRUISE NUMBER | The first two digits indicate the year of the first station of the cruise; the next three digits are assigned consecutively by each institute commencing at 001 each year. |
| (2) CONSECUTIVE STATION NUMBER | Indicates the chronological order in which the stations are occupied. |
| (3) LATITUDE | Position of the platform at the sampling time in degrees and minutes with two decimals. Non-observed decimals are printed as zero's; e.g. observed latitudes of N36°25' and N36°25.00' will both be printed as N36 25.00. |
| (4) LONGITUDE | |
| (5) DEPTH | Bottom depth in metres with one decimal; adjusted for soundspeed as indicated on page 1. |
| (6) MARSDEN SQUARE | A code to designate the ten-degree square in which the samples have been taken (Figure 1). |
| (7) YEAR | Time-date group defining the moment at which the shallowest level is observed in GMT (Greenwich Mean Time). |
| (8) MONTH | |
| (9) DAY | |
| (10) HOUR and MINUTE | |
| (11) WAVE PERIOD and HEIGHT | Sea wave period in seconds (2 digits), followed by wave height (2 digits) in multiples of 0.5 metres; e.g. a wave height of 3 m is coded as 06. |
| (12) SWELL PERIOD and HEIGHT | See explanation of (11) |
| (13) SWELL DIRECTION | Direction <i>from</i> which swell waves are coming. A calm is indicated by 000, waves from due north by 360. |
| (14) BAROMETER | Air pressure in mbar with one decimal. Corrections for barometer height and/or outside air temperature have been applied as indicated on page 1. |
| (15) WIND DIRECTION | Direction <i>from</i> which the wind is blowing in degrees. A calm is indicated by 000, wind from due north by 360. |
| (16) WIND SPEED | Wind speed is given in m/sec; original observations made on the Beaufort scale are converted to metres per second according to the scale given in Table 1. |
| (17) AIR TEMPERATURE | In degrees Celsius with one decimal. |
| (18) WET BULB | |
| (19) WW CODE | Present weather in WMO code 4677 (Table 2) |
| (20) CLOUD AMOUNT | Sky coverage in eighths according to WMO code 2700 (Table 3) |
| (21) COUNTRY | Country in which the institute responsible for collecting the data is situated (Table 4). |

- (22) INSTITUTE A code identifying the institute responsible for collecting the data (Table 5).
- (23) RESTRICTION If desired, a restriction can be placed on the data by inserting a numerical code. Blank or zero stand for unrestricted and non proprietary data.
- (24) UNASSIGNED In this field any alphanumeric information, entered in the corresponding field on the Data Summary form used to submit the data to CODC, is reproduced. It can, for example, be used to indicate an arbitrary station coding.

OBSERVED OR INTERPOLATED DATA;

- | | | | | |
|---------|----------|---------------------------------|----------|----------|
| 1. GMT | 2. DEPTH | 3. PRESS | 4. TEMP | 5. POT.T |
| 6. SAL | 7. SGMT | 8. SGPT | 9. SOUND | 10. GEOA |
| 11. CHI | 12. SVA | 13. CHEMICAL PARAMETERS | | |

(1) GMT Time in GMT of in situ observation, e.g. time of reversal of a reversing thermometer. When a multiple cast is initiated prior to and continued after midnight, time may be indicated as 24, 25, 26, etc., hours plus up to 59 minutes. Note that the station date is determined by the date of the shallowest observed level.

(2) DEPTH Sample depth in metres with one decimal.

(3) PRESSURE Pressure at the sampling level, in dbar with one decimal, with reference to a surface pressure of zero. It may be followed by an "M" or a "C" to indicate whether pressure is measured or calculated from a depth observation.

(4) TEMPERATURE In degrees Celsius with three decimals, measured as indicated on page 1. It can be followed by one of the alphabetic doubtful data markers and error codes shown in Table 6, or by a "P" to indicate temperatures measured with an in situ probe.

(5) POTENTIAL
TEMPERATURE Potential temperature is the temperature that a water sample would attain if raised adiabatically to the sea surface. It is defined by:

$$\Theta_i = T_i + \int_0^{P_i} \left(\frac{\partial T}{\partial p} \right)_\eta dp$$

where T_i is the in situ temperature, $\left(\frac{\partial T}{\partial p} \right)_\eta$ the derivate of temperature with respect to pressure under constant entropy, and P_i the pressure at the observed level. Θ_i is given in degrees Celsius with three decimals.

(6) SALINITY In parts per thousand (g/kg) with three decimals, measured as indicated on page 1. It may be followed by the alphabetic error codes shown in Table 6, or by a "P" to indicate salinities measured with an in situ probe.

(7) SIGMA-T The specific gravity anomaly, sigma-t, of seawater at atmospheric pressure is defined by:

$$\sigma_t = 1000 \times (\rho_{s,t,p=0} - 1.0)$$

where $\rho_{s,t,p=0}$ is the specific gravity of seawater as a function of salinity S, temperature T, and sea surface pressure. Sigma-t is given with two decimals; e.g. an entry of 2485 corresponds to $\sigma_t = 24.85$ or $\rho = 1.024,85$.

- (8) SIGMA POTENTIAL TEMPERATURE See definition of sigma-t, but substitute the potential temperature Θ for the in situ temperature T .
- (9) SOUNDSPEED Soundspeed is reported in m/sec with one decimal. It may be followed by an "M" or a "C" to indicate whether it is measured directly or calculated as a function of temperature, salinity and pressure using Wilson's equations.
- (10) GEOPOTENTIAL ANOMALY Geopotential anomaly is defined as:
- $$\Delta D = \int_0^p \delta \, dp$$
- where δ is specific volume anomaly. The integration over pressure is carried out either down to the pressure at the required depth level, or down to the required pressure level, as specified on page 1. The geopotential anomaly is expressed in dynamic metres (10^5 ergs/gram) with three decimals: a value of 0215 corresponds to $\Delta D = 0.215$ dynamic metres.
- (11) POTENTIAL ENERGY ANOMALY (CHI) Potential energy anomaly is defined by:
- $$\chi_\eta = \frac{1}{g} \int_0^{P(z_n)} p \, \delta \, dp$$
- where g is local gravity as a function of latitude and depth, p is pressure and δ the specific volume anomaly. It is expressed in units of 10^8 erg/cm² and recorded with two decimals, e.g. a value of 11644 corresponds to $\chi = 116.44 \times 10^8$ erg/cm².
- (12) SPECIFIC VOLUME ANOMALY The specific volume anomaly is defined by:
- $$\delta_{stp} = \alpha_{stp} - \alpha_{35, 0, p}$$
- where α_{stp} and $\alpha_{35, 0, p}$ are the specific volume at the in situ salinity, temperature and pressure, or a standard salinity of 35.00‰, standard temperature of 0°C, and in situ pressure respectively, δ is expressed in 10^5 ml/gr with one decimal place; e.g. a reading of 1234 corresponds to $\delta = 123.4 \times 10^{-5}$ ml/gr.
- (13) OXY Dissolved oxygen in ml/l with two decimals.
- (14) PO₄ Phosphate-phosphorus in μ g-atoms per litre with two decimals.
- (15) T-P Total phosphorus in μ g-atom per litre with two decimals.
- (16) NO₂ Nitrate-nitrogen in μ g-atom per litre with two decimals.
- (17) NO₃ Nitrate-nitrogen in μ g-atom per litre with one decimal.
- (18) SI Silicate-silicon in μ g-atom per litre with one decimal.
- (19) pH The pH value with three decimals.
- (20) F Fluoride in mg/l with two decimals.
- (21) D.C. Dissolved organic carbon in mg/l with two decimals.
- (22) P.C. Particulate organic carbon in mg/m³ with zero decimals.
- (23) T ALK Total alkalinity in micro-equivalents per litre with zero decimals.
- (24) C ALK Carbonate alkalinity in micro-equivalents per litre with zero decimals.
- (25) NH₃ Ammonia in micrograms NH₃ per litre with two decimals.

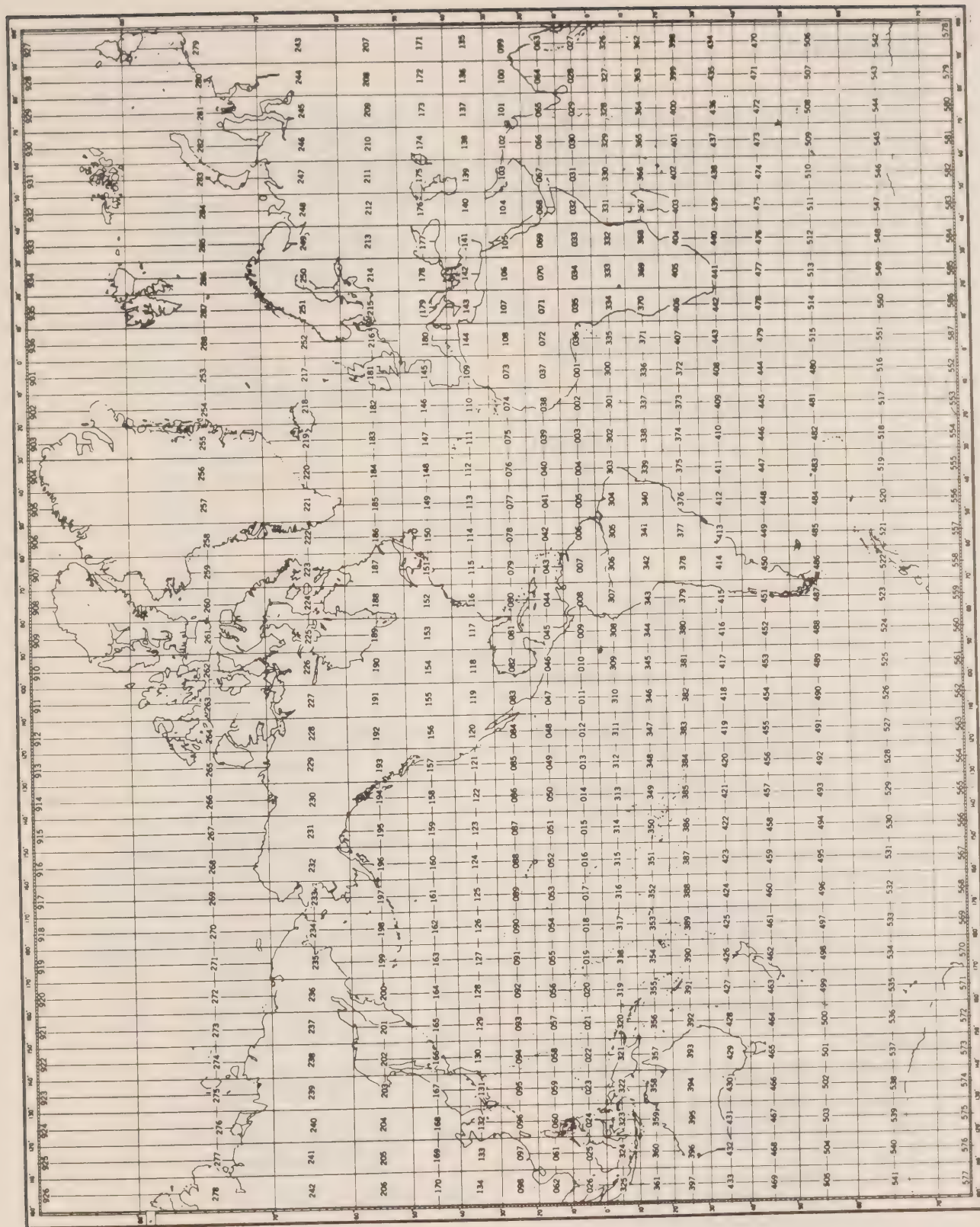


FIG. 1

MARSDEN SQUARE CHART

CODE TABLES

TABLE 1

CONVERSION OF BEAUFORT ESTIMATE TO
WINDSPEED IN M/SEC

| Beaufort | Windspeed in m/sec | Beaufort | Windspeed in m/sec |
|----------|-----------------------|----------|-----------------------|
| 0 | 00 | 7 | 15 |
| 1 | 01 | 8 | 19 |
| 2 | 02 | 9 | 22 |
| 3 | 04 | 10 | 26 |
| 4 | 07 | 11 | 30 |
| 5 | 09 | 12 | 34 |
| 6 | 12 | | |

TABLE 2

PRESENT WEATHER (ww — Code)

Use the highest code figure applicable except that 17
has preference over 20 to 49 inclusive.

00—49 NO PRECIPITATION AT SHIP AT TIME
OF OBSERVATION

00—03 CHANGE OF SKY DURING PAST HOUR

Code

- 00 Cloud development not observable
- 01 Clouds dissolving or becoming less developed
- 02 State of sky on the whole unchanged
- 03 Clouds generally forming or developing

04—09 SMOKE, HAZE, SAND OR DUST

- 04 Visibility reduced by smoke (not ship's smoke)
- 05 Dry Haze
- 06 Widespread dust suspended in air
- 07 Blowing spray at ship
- 08 Dust whirls in past hour (not for marine use)
- 09 Dust or sandstorm in sight, or at ship in past hour

10—12 MIST AND SHALLOW FOG

Code

- 10 Mist (visibility 1100 yds. or more)
- 11 Shallow fog in patches
- 12 Shallow fog—more or less continuous

*Fog not deeper
than 33 ft.*

13—16 PHENOMENA WITHIN SIGHT
BUT NOT AT SHIP

- 13 Lightning visible, no thunder heard
- 14 Precipitation in sight, not reaching surface
- 15 Precip. beyond 3 naut. miles, reaching surface
- 16 Precip. within 3 naut. miles, reaching surface

Table 2 (cont'd.)

| Code | | | Code | | | Code | | |
|--|---|-------------------------------------|---|---|--|----------------------|--|--|
| 17-19 THUNDER, SQUALLS, FUNNEL CLOUDS | | | Sky Visible | Visibility less than 1100 yards of time of observation | | Sky Invisible | | |
| 17 | Thunder at time of obsn. — no precip. at ship | | 42 | Fog, has become thinner in past hour | | 43 | | |
| 18 | Squalls (no precip.) in past hour or at time of obsn. | | 44 | Fog, no change in past hour | | 45 | | |
| 19 | Funnel cloud(s) seen in past hour or at time of obsn. | | 46 | Fog, has begun or thickened in past hour | | 47 | | |
| | | | 48 | Fog, depositing rime | | 49 | | |
| 20-29 PHENOMENA IN PAST HOUR BUT NOT AT TIME OF OBSN. | | | 50-99 PRECIPITATION AT SHIP AT TIME OF OBSERVATION | | | | | |
| 20 | Drizzle (not freezing) or snow grains |] <i>Not falling as showers</i> | 50-59 DRIZZLE | | | | | |
| 21 | Rain (not freezing) | | Intermittent | | | Continuous | | |
| 22 | Snow | | 50 | Slight Drizzle | | 51 | | |
| 23 | Rain and snow, or ice pellets | | 52 | Moderate Drizzle | | 53 | | |
| 24 | Freezing drizzle or freezing rain | | 54 | Heavy Drizzle | | 55 | | |
| 25 | Shower(s) of rain | | Slight | | | Moderate or Heavy | | |
| 26 | Shower(s) of snow, or of rain and snow mixed | | 56 | Freezing drizzle | | 57 | | |
| 27 | Shower(s) of hail*, or of rain and hail* mixed | | 58 | Drizzle and rain mixed | | 59 | | |
| 28 | Fog (in past hour but not at time of observation) | | 60-69 RAIN (NOT FALLING AS SHOWERS) | | | | | |
| 29 | Thunderstorm, with or without precipitation | | Intermittent | | | Continuous | | |
| *Includes hail, ice pellets, or snow pellets | | | 60 | Slight rain | | 61 | | |
| | | | 62 | Moderate rain | | 63 | | |
| | | | 64 | Heavy rain | | 65 | | |
| | | | Slight | | | Moderate or Heavy | | |
| | | | 66 | Freezing rain | | 67 | | |
| | | | 68 | Rain or drizzle with snow | | 69 | | |
| 30-39 (Not likely to be used in ship reports) | | | 70-79 SOLID PRECIPITATION NOT FALLING AS SHOWERS | | | | | |
| Slight or Moderate | | Heavy | Intermittent | | | Continuous | | |
| 30 | Duststorm or sandstorm, decreasing | 33 | 70 | Slight snow in flakes | | 71 | | |
| 31 | Duststorm or sandstorm, unchanging | 34 | 72 | Moderate snow in flakes | | 73 | | |
| 32 | Duststorm or sandstorm, increasing | 35 | 74 | Heavy snow in flakes | | 75 | | |
| 36 | Drifting snow, generally low | 37 | 76 | Ice prisms (with or without fog) | | | | |
| 38 | Blowing snow, generally high | 39 | 77 | Snow grains (with or without fog) | | | | |
| 40-49 FOG AT THE TIME OF OBSERVATION | | | 78 | Isolated starlike snow crystals (with or without fog) | | | | |
| 40 | Fog at a distance but not at ship during past hour | | 79 | Ice pellets | | | | |
| 41 | Fog in patches | | | | | | | |

Table 2 (cont'd.)

| Code | | Code | |
|---|--|--|--|
| 80-84 RAIN SHOWERS | | 91-94 THUNDERSTORM DURING THE PAST HOUR BUT NOT AT THE TIME OF OBSERVATION | |
| 80 | Slight rain shower | 91 | Slight rain |
| 81 | Moderate or heavy rain shower | 92 | Moderate or heavy rain |
| 82 | Violent rain shower | 93 | Slight snow, or rain and snow mixed, or hail* |
| 83 | Shower of rain and snow mixed, slight | 94 | Moderate or heavy snow, or rain and snow mixed, or hail* |
| 84 | Shower of rain and snow mixed, moderate or heavy | | |
| 85-90 SOLID PRECIPITATION IN SHOWERS | | 95-99 THUNDERSTORM AT TIME OF OBSERVATION | |
| Slight | | Moderate or Heavy | |
| 85 | Shower of snow | 86 | |
| 87 | Shower of snow pellets or ice pellets* | 88 | |
| 89 | Shower of hail, no thunder | 90 | |
| *With or without rain and/or snow | | *Includes hail, ice pellets or snow pellets | |
| | | *Includes hail, ice pellets or snow pellets <i>Thunderstorm in past hour but not now - precip. occurring at time of obsn.</i> | |
| | | 95 | Slight or modt. thunderstorm with rain and/or snow, but no hail* |
| | | 96 | Slight or modt. thunderstorm with hail* |
| | | 97 | Heavy thunderstorm with rain and/or snow, no hail* |
| | | 98 | Thunderstorm with dust or sandstorm |
| | | 99 | Heavy thunderstorm with hail* |
| | | *Includes hail, ice pellets or snow pellets | |

TABLE 3

CLOUD AMOUNT (N - Code)

Fraction of the sky covered by clouds

| Code | Cloud Cover | Code | Cloud Cover |
|------|--------------------------|------|---|
| 0 | Cloudless | 6 | 6/8 |
| 1 | 1/8 or less but not zero | 7 | 7/8 or more but not 8/8 |
| 2 | 2/8 | 8 | 8/8, sky totally covered |
| 3 | 3/8 | 9 | Sky obscured by dense fog, heavy snow, etc., or amount cannot be estimated. |
| 4 | 4/8 | | |
| 5 | 5/8 | | |

TABLE 4

COUNTRY CODES (abbreviated table)

Complete table see OCEANS IV Systems' Description.

| | |
|------------------|--|
| 06 Germany | 46 Iceland |
| 09 Australia | 49 Japan |
| 18 Canada | 58 Norway |
| 26 Denmark | 64 Netherlands |
| 31 United States | 74 United Kingdom |
| 35 France | 90 Union of Soviet Socialist Republics |

TABLE 5

INSTITUTE CODES

| | |
|--|--|
| 01 Marine Ecology Laboratory, Bedford Institute | 17 Marine Sciences Centre, McGill University |
| 02 Pacific Environment Institute | 18 Canadian Forces Maritime Command, East Coast |
| 03 Biological Station, St. Andrews, N.B. | 19 Canadian Forces Maritime Command, West Coast |
| 04 Arctic Biological Station, Ste. Anne de Bellevue, P.Q. | 20 Ontario Water Resources Commission |
| 05 Biological Station, St. John's Nfld. | 21 Dept. of National Health and Welfare |
| 06 Station de Biologie Marine, Grande Rivière | 22 Inland Waters Directorate, Dept. of the Environment |
| 07 Marine Sciences Branch, Central Region | 23 Arctic Institute of North America |
| 08 Defence Research Establishment, Atlantic | 24 Groupe Inter-Universitaire de Recherches Océanographiques du Québec ((GIROQ)) |
| 09 Defence Research Establishment, Pacific | 25 Memorial University, St. John's Nfld. |
| 10 Atlantic Oceanographic Laboratory, Bedford Institute | 26 University of Victoria, Victoria, B.C. |
| 11 Polar Continental Shelf Project | 27 Defence Research Establishment, Ottawa (DREO) |
| 12 Great Lakes Institute | 28 Dept. of Energy, Mines & Resources-Atlantic Geoscience Centre |
| 13 Institute of Oceanography, University of British Columbia | 29 Section d'océanographie, Université du Québec à Rimouski |
| 14 Institute of Oceanography, Dalhousie University | |
| 15 Marine Sciences Branch, Pacific Region | |
| 16 Department of Transport | |

TABLE 6
DOUBTFUL DATA MARKERS AND ERROR CODES

| Code | Explanation |
|------|--|
| X | Considered doubtful by the data originator. |
| Y | Considered doubtful by CODC. |
| A-I | Error estimates coded as shown below. The codes are used only as a measure of the spread between duplicate or multiplicate measurements at the same location and time. |

Let P be the difference between two measurements. P is then coded in multiples of the last digit allowed for on the coding form as follows:

| | |
|-------------|------------|
| $P <$ | 1 Code A |
| $1 < P <$ | 2 Code B |
| $2 < P <$ | 5 Code C |
| $5 < P <$ | 10 Code D |
| $10 < P <$ | 20 Code E |
| $20 < P <$ | 50 Code F |
| $50 < P <$ | 100 Code G |
| $100 < P <$ | 200 Code H |
| $200 < P$ | Code I |

A temperature error $P=0.003^{\circ}\text{C}$ is coded as C, an error $P=0.02^{\circ}\text{C}$ as E, and a salinity error $P=0.08$ per mille as G, etc.

If the datum is based on a triple measurement, P is taken equal to the standard deviation:

$$P = \left\{ \frac{1}{2} \sum_{i=1}^3 (A_i - \bar{A})^2 \right\}^{1/2}$$

where A_i are the measurements and \bar{A} the mean value of the observed parameter.

- | | |
|---|---|
| W | Appears only with interpolated data, and indicates that linear interpolation has been used instead of hyperbolic. |
| P | This is not an error code; it indicates data sampled with an in-situ probe. |

TABLE 7

STANDARD LEVELS

| | | | |
|------|------|------|------|
| 0000 | 0200 | 1200 | 5500 |
| 0010 | 0225 | 1500 | 6000 |
| 0020 | 0250 | 2000 | 6500 |
| 0030 | 0300 | 2500 | 7000 |
| 0050 | 0400 | 3000 | 7500 |
| 0075 | 0500 | 3500 | 8000 |
| 0100 | 0600 | 4000 | 8500 |
| 0125 | 0700 | 4500 | 9000 |
| 0150 | 0800 | 5000 | 9500 |
| 0175 | 1000 | | |

Note: The standard levels can refer to standard depths or to standard pressure levels as indicated on page 1.

SECTION III

Serial Oceanographic data

GENERAL INFORMATION ON THE CRUISE

CODC Cruise Identification (country, inst., crn.): 1807-72001
 Originating Institute: Marine Sciences Directorate, Central Region
 Originator's Cruise Number (if applicable):
 Area: James Bay
 Observation Platform: CCGS NARWHAL
 Period: 7 August - 14 October, 1972

PARAMETERS MEASURED

| | | |
|---|-------------|----|
| 1 | Temperature | 9 |
| 2 | Salinity | 10 |
| 3 | Oxygen | 11 |
| 4 | | 12 |
| 5 | | 13 |
| 6 | | 14 |
| 7 | | 15 |
| 8 | | 16 |

METHODS USED

Sea Surface Temperature

- ☒ Same as Subsurface
- ☐ Bucket
- ☐ Water Intake
- ☐ Tow Frame

Oxygen

- ☒ Winkler
- ☐ In Situ Probe

Sub Surface Temperature

- ☒ Reversing Thermometer
- ☒ Thermal Probe

Salinity

- ☐ Titration
- ☐ Conductance
- ☒ Inductance
- ☐ Refrac. Index
- ☒ In Situ Probe
- ☐ Hydrometer

Anemometer Height in M Above Sea Level: - 20

Sounding Corrections Applied

- ☒ Soundspeed of 1463 m/sec
- ☐ Soundspeed of 1500 m/sec
- ☐ Matthews Tables
- ☐ Measured or Calculated In Situ Soundspeed Profile

Air Pressure

- ☐ Barometer Reading Uncorrected
- ☒ Corrected for Barometer Height
- ☐ Corrected For Bar. Height and Outside Air Temperature

INTERPOLATION

Interpolation Technique

- ☒ Rattray
- ☐ Reiniger and Ross

Interpolation to "Standard" Levels of:

- ☒ Depth
- ☐ Pressure

CRUISE NUMBER 72001 STATION NUMBER 001

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N54 45.00 | YEAR | 1972 | WAVE-P/H | 0302 | WIND-DIR | 290 | WW | 02 | COUN | 18 |
| LONG | W 80 0.00 | MONTH | 8 | SWEL-P/H | 0506 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 62.6 | DAY | 07 | SWEL-D | 290 | AIR-TEM | 4.0 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2121 | BARO | 1007.2 | WET-BLB | 5.2 | | | UNAS BP | 80 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 2125 | 0.0 | 0.0C | 4.620P | 4.620 | 23.640P | 1876 | 1876 | 1454.4C | 0 | 0 | 8944 |
| 2125 | 8.3 | 8.4C | 4.600P | 4.600 | 23.640P | 1876 | 1876 | 1454.4C | 75 | 3 | 8942 |
| 2125 | 17.0 | 17.1C | 4.590P | 4.589 | 23.670P | 1878 | 1878 | 1454.6C | 153 | 13 | 8918 |
| 2125 | 17.2 | 17.3C | 4.590P | 4.589 | 23.920P | 1898 | 1898 | 1454.9C | 155 | 14 | 8728 |
| 2125 | 20.0 | 20.2C | 1.820P | 1.819 | 25.450P | 2038 | 2038 | 1444.8C | 178 | 18 | 7384 |
| 2125 | 22.0 | 22.2C | -0.200P | -0.199 | 26.960P | 2166 | 2166 | 1437.6C | 192 | 21 | 6151 |
| 2125 | 24.0 | 24.2C | -0.410P | -0.409 | 27.370P | 2200 | 2200 | 1437.2C | 203 | 24 | 5830 |
| 2125 | 25.1 | 25.3C | -0.420P | -0.419 | 27.420P | 2204 | 2204 | 1437.3C | 210 | 25 | 5791 |
| 2125 | 27.1 | 27.3C | -0.420P | -0.420 | 27.570P | 2216 | 2216 | 1437.5C | 221 | 28 | 5675 |
| 2125 | 28.0 | 28.2C | -0.420P | -0.420 | 28.580P | 2297 | 2297 | 1438.9C | 226 | 30 | 4897 |
| 2125 | 28.3 | 28.5C | -0.420P | -0.420 | 28.600P | 2299 | 2299 | 1438.9C | 228 | 30 | 4882 |
| 2125 | 28.5 | 28.7C | -0.690P | -0.690 | 28.610P | 2300 | 2300 | 1437.7C | 228 | 31 | 4868 |
| 2125 | 30.0 | 30.3C | -0.820P | -0.820 | 28.720P | 2309 | 2309 | 1437.3C | 236 | 33 | 4780 |
| 2125 | 35.0 | 35.3C | -0.940P | -0.940 | 29.000P | 2332 | 2332 | 1437.2C | 260 | 41 | 4561 |
| 2125 | 39.0 | 39.3C | -1.000P | -1.000 | 29.370P | 2362 | 2362 | 1437.5C | 277 | 47 | 4275 |
| 2125 | 40.0 | 40.3C | -1.000P | -1.000 | 29.790P | 2396 | 2396 | 1438.1C | 281 | 49 | 3951 |
| 2125 | 41.9 | 42.3C | -1.200P | -1.200 | 29.980P | 2412 | 2412 | 1437.4C | 289 | 52 | 3801 |
| 2125 | 46.0 | 46.4C | -1.240P | -1.240 | 30.200P | 2430 | 2430 | 1437.6C | 304 | 59 | 3630 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 915D |
| 8.3 | 8.4C | 887D |
| 17.0 | 17.1C | |
| 17.2 | 17.3C | |
| 20.0 | 20.2C | |
| 22.0 | 22.2C | |
| 24.0 | 24.2C | |
| 25.1 | 25.3C | 902D |
| 27.1 | 27.3C | |
| 28.0 | 28.2C | |
| 28.3 | 28.5C | |
| 28.5 | 28.7C | |
| 30.0 | 30.3C | |
| 35.0 | 35.3C | |
| 39.0 | 39.3C | |
| 40.0 | 40.3C | |
| 41.9 | 42.3C | 915D |
| 46.0 | 46.4C | |

CRUISE NUMBER 72001 STATION NUMBER 001

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.620 | 4.620 | 23.640 | 1876 | 1876 | 1454.4 | 0 | 0 | 8944 |
| | 10.0 | 10.1A | 4.598W | 5.066 | 23.646W | 1849 | 1849 | 1456.1E | 91 | 4 | 9197 |
| | 20.0 | 20.2 | 1.820 | 1.819 | 25.450 | 2038 | 2038 | 1444.8 | 178 | 18 | 7384 |
| | 30.0 | 30.3 | -0.819 | -0.819 | 28.720 | 2309 | 2309 | 1437.3 | 236 | 33 | 4780 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 915 |
| 10.0 | 10.1A | 886B |
| 20.0 | 20.2 | 892C |
| 30.0 | 30.3 | 906W |

CRUISE NUMBER 72001

STATION NUMBER 002

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0304 | WIND-DIR | 200 | WW | 02 | COUN | 18 |
| LONG W | 80 24.00 | MONTH | 8 | SWEL-P/H | 0507 | WIND-SPD | 09 | CLD-A | 8 | INST | 07 |
| DEPTH | 113.3 | DAY | 08 | SWEL-D | 300 | AIR-TEM | 4.0 | | | RESTR | |
| MARSD SQ | 189 | H/M | 0130 | BARO | 1007.1 | WET-BLB | 4.3 | | | UNAS BP | 75 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 0145 | 0.0 | 0.0C | 3.980P | 3.980 | 24.040P | 1912 | 1912 | 1452.2C | 0 | 0 | 8591 |
| 0145 | 7.0 | 7.1C | 3.980P | 3.980 | 24.040P | 1912 | 1912 | 1452.3C | 61 | 2 | 8591 |
| 0145 | 8.3 | 8.4C | 3.980P | 3.980 | 24.040P | 1912 | 1912 | 1452.3C | 72 | 3 | 8591 |
| 0145 | 9.0 | 9.1C | 3.980P | 3.980 | 24.200P | 1925 | 1925 | 1452.5C | 78 | 4 | 8469 |
| 0145 | 11.0 | 11.1C | 3.960P | 3.959 | 26.000P | 2068 | 2068 | 1454.8C | 94 | 5 | 7098 |
| 0145 | 12.5 | 12.6C | 2.210P | 2.209 | 27.120P | 2169 | 2169 | 1448.7C | 104 | 6 | 6128 |
| 0145 | 15.5 | 15.6C | -0.360P | -0.359 | 27.780P | 2233 | 2233 | 1437.9C | 121 | 9 | 5516 |
| 0145 | 20.0 | 20.2C | -0.560P | -0.559 | 28.540P | 2294 | 2294 | 1438.1C | 145 | 13 | 4926 |
| 0145 | 21.2 | 21.4C | -0.600P | -0.599 | 28.730P | 2310 | 2310 | 1438.2C | 151 | 14 | 4778 |
| 0145 | 25.0 | 25.2C | -1.070P | -1.069 | 29.390P | 2364 | 2364 | 1436.9C | 168 | 19 | 4259 |
| 0145 | 29.0 | 29.2C | -1.380P | -1.379 | 30.040P | 2417 | 2417 | 1436.4C | 184 | 23 | 3753 |
| 0145 | 35.0 | 35.3C | -1.530P | -1.529 | 30.390P | 2446 | 2446 | 1436.3C | 206 | 30 | 3480 |
| 0145 | 36.0 | 36.3C | -1.530P | -1.529 | 30.430P | 2449 | 2449 | 1436.4C | 209 | 31 | 3449 |
| 0145 | 40.0 | 40.3C | -1.560P | -1.560 | 30.870P | 2485 | 2485 | 1436.9C | 223 | 37 | 3109 |
| 0145 | 42.4 | 42.8C | -1.570P | -1.570 | 31.060P | 2500 | 2500 | 1437.2C | 230 | 40 | 2962 |
| 0145 | 50.0 | 50.4C | -1.570P | -1.570 | 31.400P | 2528 | 2528 | 1437.8C | 252 | 50 | 2700 |
| 0145 | 60.0 | 60.5C | -1.570P | -1.570 | 31.820P | 2562 | 2562 | 1438.5C | 277 | 64 | 2376 |
| 0145 | 70.0 | 70.6C | -1.560P | -1.560 | 32.350P | 2604 | 2604 | 1439.5C | 299 | 79 | 1968 |
| 0145 | 77.7 | 78.4C | -1.450 | -1.450 | 32.374B | 2606 | 2606 | 1440.2C | 314 | 91 | 1951 |

| DEPTH | PRESS | OPY |
|-------|-------|------|
| 0.0 | 0.0C | 887D |
| 7.0 | 7.1C | 887D |
| 8.3 | 8.4C | |
| 9.0 | 9.1C | |
| 11.0 | 11.1C | |
| 12.5 | 12.6C | |
| 15.5 | 15.6C | |
| 20.0 | 20.2C | |
| 21.2 | 21.4C | 846D |
| 25.0 | 25.2C | |
| 29.0 | 29.2C | |
| 35.0 | 35.3C | |
| 36.0 | 36.3C | |
| 40.0 | 40.3C | |
| 42.4 | 42.8C | 788D |
| 50.0 | 50.4C | |
| 60.0 | 60.5C | |
| 70.0 | 70.6C | |
| 77.7 | 78.4C | 598D |

CRUISE NUMBER 72001

STATION NUMBER 002

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | FOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.980 | 3.980 | 24.040 | 1912 | 1912 | 1452.2 | 0 | 0 | 8591 |
| | 10.0 | 10.1A | 3.970W | 4.137 | 25.100W | 1987 | 1987 | 1454.2D | 86 | 5 | 7873 |
| | 20.0 | 20.2 | -0.559 | -0.558 | 28.540 | 2294 | 2294 | 1438.1 | 145 | 13 | 4926 |
| | 30.0 | 30.2A | -1.421D | -1.420 | 30.098W | 2423 | 2423 | 1436.3A | 188 | 24 | 3694 |
| | 50.0 | 50.4 | -1.569 | -1.569 | 31.400 | 2528 | 2528 | 1437.8 | 252 | 50 | 2700 |
| | 75.0 | 75.7W | -1.488W | -1.488 | 32.366W | 2605 | 2605 | 1440.0W | 309 | 87 | 1957 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 887 |
| 10.0 | 10.1A | 881B |
| 20.0 | 20.2 | 850A |
| 30.0 | 30.2A | 824B |
| 50.0 | 50.4 | 747W |
| 75.0 | 75.7W | 613W |

CRUISE NUMBER 72001

STATION NUMBER 003

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0302 | WIND-DIR | 300 | WW | 02 | COUM | 18 |
| LONG | W 80 58.00 | MONTH | H | SWEL-P/H | 0504 | WIND-SPD | 06 | CLD-A | 8 | INST | 07 |
| DEPTH | 90.0 | DAY | 08 | SWEL-D | 310 | AIR-TEM | 4.0 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1140 | BARO | 1007.3 | WET-BLB | 3.0 | | | UNAS | BP120 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SWA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1200 | 0.0 | 0.0C | 2.570P | 2.570 | 23.630P | 1889 | 1889 | 1445.4C | 0 | 0 | 8817 |
| 1200 | 9.7 | 9.8C | 2.580P | 2.580 | 23.720P | 1896 | 1896 | 1445.7C | 86 | 4 | 8748 |
| 1200 | 11.0 | 11.1C | 2.430P | 2.430 | 23.850P | 1907 | 1907 | 1445.3C | 97 | 5 | 8680 |
| 1200 | 13.0 | 13.1C | 1.800P | 1.800 | 24.190P | 1937 | 1937 | 1442.9C | 114 | 8 | 8349 |
| 1200 | 17.0 | 17.1C | -0.210P | -0.209 | 27.980P | 2248 | 2248 | 1438.9C | 142 | 12 | 5366 |
| 1200 | 17.8 | 17.9C | -0.290P | -0.289 | 28.380P | 2281 | 2281 | 1439.1C | 146 | 12 | 5056 |
| 1200 | 19.5 | 19.7C | -0.430P | -0.429 | 28.570P | 2296 | 2296 | 1438.7C | 155 | 14 | 4906 |
| 1200 | 23.0 | 23.2C | -0.800P | -0.799 | 29.030P | 2334 | 2334 | 1437.7C | 172 | 18 | 4543 |
| 1200 | 25.0 | 25.2C | -1.160P | -1.159 | 29.600P | 2381 | 2381 | 1436.8C | 180 | 20 | 4096 |
| 1200 | 28.0 | 28.2C | -1.520P | -1.519 | 30.090P | 2421 | 2421 | 1435.8C | 192 | 23 | 3712 |
| 1200 | 29.3 | 29.5C | -1.560P | -1.559 | 30.240P | 2434 | 2434 | 1435.8C | 197 | 25 | 3595 |
| 1200 | 35.0 | 35.3C | -1.580P | -1.579 | 30.770P | 2477 | 2477 | 1436.6C | 216 | 31 | 3186 |
| 1200 | 40.0 | 40.3C | -1.600P | -1.600 | 31.070P | 2501 | 2501 | 1437.0C | 232 | 37 | 2954 |
| 1200 | 50.0 | 50.4C | -1.620P | -1.620 | 31.600P | 2544 | 2544 | 1437.8C | 259 | 50 | 2545 |
| 1200 | 58.6 | 59.1C | -1.620P | -1.620 | 31.770P | 2558 | 2558 | 1438.2C | 281 | 62 | 2413 |
| 1200 | 70.0 | 70.6C | -1.630P | -1.630 | 31.860P | 2565 | 2565 | 1438.5C | 308 | 80 | 2343 |
| 1200 | 80.0 | 80.7C | -1.630P | -1.630 | 31.980P | 2575 | 2575 | 1438.8C | 331 | 97 | 2250 |
| 1200 | 88.0 | 88.7C | -1.620P | -1.620 | 32.030P | 2579 | 2579 | 1439.0C | 349 | 113 | 2211 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 831D |
| 9.7 | 9.8C | 846D |
| 11.0 | 11.1C | |
| 13.0 | 13.1C | |
| 17.0 | 17.1C | |
| 17.8 | 17.9C | |
| 19.5 | 19.7C | 902D |
| 23.0 | 23.2C | |
| 25.0 | 25.2C | |
| 28.0 | 28.2C | |
| 29.3 | 29.5C | 788D |
| 35.0 | 35.3C | |
| 40.0 | 40.3C | |
| 50.0 | 50.4C | |
| 58.6 | 59.1C | 704D |
| 70.0 | 70.6C | |
| 80.0 | 80.7C | |
| 88.0 | 88.7C | 704D |

CRUISE NUMBER 72001 STATION NUMBER 003

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 2.570 | 2.570 | 23.630 | 1889 | 1889 | 1445.4 | 0 | 0 | 8817 |
| | 10.0 | 10.3A | 2.556 | 2.556 | 23.746B | 1898 | 1898 | 1445.7A | 89 | 4 | 8727 |
| | 20.0 | 20.3A | -0.468C | -0.467 | 28.636W | 2299 | 2299 | 1438.6A | 158 | 15 | 4873 |
| | 30.0 | 30.3A | -0.568C | -1.567 | 30.316A | 2440 | 2440 | 1435.9A | 199 | 26 | 3536 |
| | 50.0 | 50.3 | -0.619 | -1.619 | 31.600 | 2544 | 2544 | 1437.8 | 259 | 50 | 2545 |
| | 75.0 | 75.3A | -0.630A | -1.630 | 31.922C | 2570 | 2570 | 1438.7A | 320 | 88 | 2295 |

| DEPTH | PRESS | TEMP |
|-------|-------|--------|
| 0.0 | 0.0 | 2.57 |
| 10.0 | 10.3A | 2.556 |
| 20.0 | 20.3A | -0.468 |
| 30.0 | 30.3A | -0.568 |
| 50.0 | 50.3 | -0.619 |
| 75.0 | 75.3A | -0.630 |

CRUISE NUMBER 72001

STATION NUMBER 004

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | | WIND-DIR | 290 | MW | 47 | COUM | 18 |
| LONG W | 81 32.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 04 | CLD-A | 8 | IMST | 07 |
| DEPTH | 42.6 | DAY | 08 | SWEL-D | 350 | AIR-TEM | 4.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1455 | BARO | 1007.8 | WET-BLB | 4.1 | | | UNAS | BP120 |

OBSERVED

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1500 | 0.0 | 0.0C | -0.080P | -0.079 | 26.560P | 2134 | 2134 | 1437.3C | 0 | 0 | 6465 |
| 1500 | 4.0 | 4.0C | -0.160P | -0.159 | 26.580P | 2136 | 2136 | 1437.0C | 26 | 1 | 6447 |
| 1500 | 8.0 | 8.1C | -0.260P | -0.259 | 26.900P | 2162 | 2162 | 1437.0C | 52 | 2 | 6197 |
| 1500 | 9.0 | 9.1C | -0.580P | -0.579 | 27.110P | 2179 | 2179 | 1435.8C | 58 | 3 | 6028 |
| 1500 | 9.8 | 9.9C | -0.590P | -0.589 | 27.190P | 2186 | 2186 | 1435.9C | 63 | 3 | 5966 |
| 1500 | 11.0 | 11.1C | -0.480P | -0.479 | 27.260P | 2191 | 2191 | 1436.5C | 70 | 4 | 5914 |
| 1500 | 13.0 | 13.1C | -0.160P | -0.159 | 27.590P | 2217 | 2217 | 1438.5C | 81 | 5 | 5668 |
| 1500 | 15.0 | 15.1C | 0.200P | 0.200 | 27.830P | 2235 | 2235 | 1440.5C | 93 | 7 | 5494 |
| 1500 | 18.0 | 18.1C | 0.430P | 0.429 | 27.940P | 2243 | 2243 | 1441.8C | 109 | 10 | 5417 |
| 1500 | 19.6 | 19.8C | 0.520P | 0.519 | 28.020P | 2249 | 2249 | 1442.4C | 118 | 11 | 5359 |
| 1500 | 22.0 | 22.2C | 0.540P | 0.539 | 28.210P | 2264 | 2264 | 1442.7C | 131 | 14 | 5213 |
| 1500 | 24.0 | 24.2C | 0.040P | 0.039 | 28.320P | 2275 | 2275 | 1440.6C | 141 | 17 | 5111 |
| 1500 | 27.0 | 27.2C | -0.750P | -0.749 | 28.490P | 2291 | 2291 | 1437.2C | 156 | 21 | 4959 |
| 1500 | 29.5 | 29.7C | -0.910P | -0.909 | 28.550P | 2296 | 2296 | 1436.6C | 169 | 24 | 4909 |
| 1500 | 34.0 | 34.3C | -0.970P | -0.970 | 28.590P | 2299 | 2299 | 1436.4C | 191 | 31 | 4877 |
| 1500 | 39.3 | 39.6C | -0.990P | -0.990 | 28.830P | 2319 | 2319 | 1436.8C | 216 | 41 | 4691 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 895D |
| 4.0 | 4.0C | |
| 8.0 | 8.1C | |
| 9.0 | 9.1C | |
| 9.8 | 9.9C | 874D |
| 11.0 | 11.1C | |
| 13.0 | 13.1C | |
| 15.0 | 15.1C | |
| 18.0 | 18.1C | |
| 19.6 | 19.8C | 874D |
| 22.0 | 22.2C | |
| 24.0 | 24.2C | |
| 27.0 | 27.2C | |
| 29.5 | 29.7C | 874D |
| 34.0 | 34.3C | |
| 39.3 | 39.6C | 846D |

CRUISE NUMBER 72001 STATION NUMBER 004

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | EGMT | EGPT | SOUND | GEOA | CHI | SA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | -0.079 | -0.078 | 26.560 | 2134 | 2134 | 1437.3 | 0 | 0 | 6465 |
| | 10.0 | 10.1A | -0.578C | -0.577 | 27.200C | 2187 | 2187 | 1436.0A | 64 | 3 | 5958 |
| | 20.0 | 20.2A | 0.552E | 0.551 | 28.051C | 2251 | 2251 | 1442.6A | 120 | 11 | 5336 |
| | 30.0 | 30.2A | -0.924C | -0.923 | 28.553C | 2296 | 2296 | 1436.5A | 172 | 25 | 4906 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 895 |
| 10.0 | 10.1A | 874A |
| 20.0 | 20.2A | 874A |
| 30.0 | 30.2A | 873W |

CRUISE NUMBER 72001 STATION NUMBER 005

| | | | | | | | | | | | |
|-------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 47.60 | YEAR | 1972 | WAVE-P/H | | WIND-DIR | 310 | WW | 02 | COUN | 18 |
| LONG | W 82 0.00 | MONTH | 8 | SWEL-P/H | | WIND-SPD | 06 | CLD-A | 8 | INST | 07 |
| DEPTH | 20.7 | DAY | 08 | SWEL-D | 310 | AIR-TEM | 6.1 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1757 | BARO | 1008.2 | WET-BLB | 5.5 | | | UNAS | BP 45 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1807 | 0.0 | 0.0C | 1.10 D | 1.100 | 24.316B | 1950 | 1950 | 1439.7C | 0 | 0 | 8227 |
| 1807 | 4.9 | 4.9C | 1.06 F | 1.060 | 24.313B | 1950 | 1950 | 1439.6C | 40 | 1 | 8227 |
| 1807 | 9.9 | 10.0C | 1.04 E | 1.040 | 24.316B | 1951 | 1951 | 1439.6C | 82 | 4 | 8224 |
| 1807 | 14.9 | 15.0C | 1.07 F | 1.070 | 24.314B | 1950 | 1950 | 1439.8C | 123 | 9 | 8226 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 859D |
| 4.9 | 4.9C | 874D |
| 9.9 | 10.0C | 866D |
| 14.9 | 15.0C | 859D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 1.100 | 1.100 | 24.316 | 1950 | 1950 | 1439.7 | 0 | 0 | 8227 |
| | 10.0 | 10.1W | 1.041W | 1.041 | 24.316W | 1951 | 1951 | 1439.6W | 83 | 4 | 8224 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 859 |
| 10.0 | 10.1W | 866W |

CRUISE NUMBER 72001 STATION NUMBER 006

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | | WIND-DIR | 300 | WW | 02 | COUN | 18 |
| LONG | W 81 49.00 | MONTH | 8 | SWEL-P/H | | WIND-SPD | 05 | CLD-A | 8 | INST | 07 |
| DEPTH | 26.2 | DAY | 09 | SWEL-D | 290 | AIR-TEM | 6.4 | | | RESTR | |
| MARSD SQ | 189 | H/M | 0020 | BARO | 1009.5 | WET-BLB | 6.3 | | | UNAS BP | 60 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 0010 | 0.0 | 0.0C | 2.770P | 2.770 | 24.830P | 1983 | 1983 | 1447.9C | 0 | 0 | 7910 |
| 0010 | 3.0 | 3.0C | 2.590P | 2.590 | 25.000P | 1998 | 1998 | 1447.4C | 24 | 0 | 7770 |
| 0010 | 3.3 | 3.3C | 2.580P | 2.580 | 25.060P | 2003 | 2003 | 1447.4C | 26 | 0 | 7723 |
| 0010 | 4.0 | 4.0C | 2.080P | 2.080 | 25.110P | 2009 | 2009 | 1445.3C | 31 | 1 | 7658 |
| 0010 | 8.0 | 8.1C | 1.820P | 1.820 | 25.210P | 2019 | 2019 | 1444.3C | 62 | 3 | 7569 |
| 0010 | 10.0 | 10.1C | 1.620P | 1.620 | 25.310P | 2028 | 2028 | 1443.5C | 77 | 4 | 7483 |
| 0010 | 12.1 | 12.2C | 1.570P | 1.570 | 25.360P | 2032 | 2032 | 1443.4C | 93 | 6 | 7442 |
| 0010 | 16.1 | 16.2C | 1.560P | 1.559 | 25.380P | 2033 | 2033 | 1443.5C | 123 | 10 | 7426 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 846D |
| 3.0 | 3.0C | |
| 3.3 | 3.3C | |
| 4.0 | 4.0C | 859D |
| 8.0 | 8.1C | 852D |
| 10.0 | 10.1C | |
| 12.1 | 12.2C | 846D |
| 16.1 | 16.2C | 846D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|-------|--------|--------|------|------|--------|------|-----|------|
| | 0.0 | 0.0 | 2.770 | 2.770 | 24.830 | 1983 | 1983 | 1447.9 | 0 | 0 | 7910 |
| | 10.0 | 10.1 | 1.620 | 1.620 | 25.310 | 2028 | 2028 | 1443.5 | 77 | 4 | 7483 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 846 |
| 10.0 | 10.1 | 849A |

CRUISE NUMBER 72001 STATION NUMBER 007

| | | | | | |
|-----------------|-----------|-------------|--------------|---------|------------|
| LAT N53 50.00 | YEAR 1972 | WAVE-P/H | WIND-DIR 010 | WW 47 | COUN 18 |
| LONG W 81 26.00 | MONTH 8 | SWEL-P/H 05 | WIND-SPD 04 | CLD-A 8 | INST 07 |
| DEPTH 39.6 | DAY 09 | SWEL-D 000 | AIR-TEM 3.5 | | RESTR |
| MARSD SQ 189 | H/M 1115 | BARO 1010.2 | WET-BLB 3.7 | | UNAS BP180 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1130 | 0.0 | 0.0C | 4.260P | 4.260 | 24.160P | 1920 | 1920 | 1453.5C | D | 0 | 8520 |
| 1130 | 1.3 | 1.3C | 4.290P | 4.290 | 24.170P | 1920 | 1920 | 1453.7C | 11 | 0 | 8515 |
| 1130 | 2.6 | 2.6C | 3.540P | 3.540 | 24.290P | 1935 | 1935 | 1450.6C | 22 | 0 | 8370 |
| 1130 | 6.0 | 6.0C | 3.400P | 3.400 | 24.500P | 1953 | 1953 | 1450.3C | 50 | 2 | 8200 |
| 1130 | 9.9 | 10.0C | 3.420P | 3.419 | 24.610P | 1962 | 1962 | 1450.6C | 83 | 4 | 8118 |
| 1130 | 13.0 | 13.1C | 3.600P | 3.599 | 24.800P | 1975 | 1975 | 1451.7C | 108 | 7 | 7985 |
| 1130 | 14.0 | 14.1C | 2.300P | 2.299 | 26.210P | 2096 | 2096 | 1447.9C | 115 | 8 | 6828 |
| 1130 | 14.5 | 14.6C | 1.580P | 1.579 | 26.530P | 2125 | 2125 | 1445.1C | 119 | 9 | 6546 |
| 1130 | 16.0 | 16.1C | 1.580P | 1.579 | 27.340P | 2190 | 2190 | 1446.2C | 128 | 10 | 5926 |
| 1130 | 16.8 | 16.9C | 1.580P | 1.579 | 27.590P | 2210 | 2210 | 1446.6C | 132 | 11 | 5735 |
| 1130 | 17.0 | 17.1C | 2.200P | 2.199 | 27.620P | 2209 | 2209 | 1449.4C | 134 | 11 | 5746 |
| 1130 | 17.3 | 17.4C | 2.560P | 2.559 | 27.650P | 2209 | 2209 | 1451.0C | 135 | 11 | 5745 |
| 1130 | 18.0 | 18.1C | 2.490P | 2.489 | 27.690P | 2212 | 2212 | 1450.8C | 139 | 12 | 5710 |
| 1130 | 18.5 | 18.7C | 2.210P | 2.209 | 27.760P | 2220 | 2220 | 1449.6C | 143 | 13 | 5640 |
| 1130 | 19.8 | 20.0C | 2.380P | 2.379 | 27.890P | 2229 | 2229 | 1450.6C | 150 | 14 | 5551 |
| 1130 | 21.2 | 21.4C | 2.170P | 2.169 | 28.100P | 2247 | 2247 | 1450.0C | 158 | 16 | 5378 |
| 1130 | 22.0 | 22.2C | 0.830P | 0.829 | 28.160P | 2259 | 2259 | 1444.0C | 162 | 17 | 5263 |
| 1130 | 27.0 | 27.2C | 0.510P | 0.509 | 28.400P | 2280 | 2280 | 1443.0C | 188 | 23 | 5066 |
| 1130 | 29.7 | 29.9C | 0.340P | 0.339 | 28.410P | 2281 | 2281 | 1442.2C | 201 | 27 | 5052 |
| 1130 | 36.9 | 37.2C | 0.380P | 0.379 | 28.410P | 2281 | 2281 | 1442.5C | 238 | 40 | 5053 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 816D |
| 1.3 | 1.3C | |
| 2.6 | 2.6C | |
| 6.0 | 6.0C | |
| 9.9 | 10.0C | 844D |
| 13.0 | 13.1C | |
| 14.0 | 14.1C | |
| 14.5 | 14.6C | |
| 16.0 | 16.1C | |
| 16.8 | 16.9C | |
| 17.0 | 17.1C | |
| 17.3 | 17.4C | |
| 18.0 | 18.1C | |
| 18.5 | 18.7C | |
| 19.8 | 20.0C | 844D |
| 21.2 | 21.4C | |
| 22.0 | 22.2C | |
| 27.0 | 27.2C | |

CRUISE NUMBER 72001

STATION NUMBER 007

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 29.7 | 29.9C | 859D |
| 36.9 | 37.2C | 859D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.260 | 4.260 | 24.160 | 1920 | 1920 | 1453.5 | 0 | 0 | 8520 |
| | 10.0 | 10.1A | 3.474F | 3.473 | 24.616W | 1958 | 1958 | 1450.8B | 84 | 4 | 8155 |
| | 20.0 | 20.2A | 2.446F | 2.445 | 27.922C | 2231 | 2231 | 1451.0C | 151 | 14 | 5530 |
| | 30.0 | 30.2W | 0.342W | 0.341 | 28.410W | 2281 | 2281 | 1442.2W | 203 | 28 | 5052 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 816 |
| 10.0 | 10.1A | 844A |
| 20.0 | 20.2A | 844A |
| 30.0 | 30.2W | 859W |

CRUISE NUMBER 72001

STATION NUMBER 008

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 310 | WW | 45 | COUN | 18 |
| LONG | W 81 2.00 | MONTH | 8 | SWEL-P/H | 05 | WIND-SPD | 04 | CLD-A | 8 | INST | 07 |
| DEPTH | 48.7 | DAY | 09 | SWEL-D | 000 | AIR-TEM | 4.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1410 | BARO | 1011.1 | WET-BLB | 5.1 | | | UNAS | BP120 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1425 | 0.0 | 0.0C | 5.050P | 5.050 | 25.770P | 2040 | 2040 | 1459.0C | 0 | 0 | 7364 |
| 1425 | 6.0 | 6.0C | 4.810P | 4.810 | 25.770P | 2042 | 2042 | 1458.1C | 44 | 1 | 7342 |
| 1425 | 10.0 | 10.1C | 4.800P | 4.799 | 25.800P | 2045 | 2045 | 1458.1C | 74 | 4 | 7319 |
| 1425 | 11.0 | 11.1C | 4.890P | 4.889 | 25.810P | 2045 | 2045 | 1458.6C | 81 | 5 | 7319 |
| 1425 | 13.0 | 13.1C | 4.790P | 4.789 | 26.010P | 2061 | 2061 | 1458.4C | 96 | 6 | 7159 |
| 1425 | 15.0 | 15.1C | 4.400P | 4.399 | 26.790P | 2127 | 2127 | 1457.8C | 110 | 8 | 6534 |
| 1425 | 17.0 | 17.1C | 3.600P | 3.599 | 27.740P | 2208 | 2208 | 1455.7C | 122 | 10 | 5750 |
| 1425 | 18.7 | 18.9C | 3.390P | 3.389 | 28.480P | 2269 | 2269 | 1455.8C | 132 | 12 | 5172 |
| 1425 | 20.0 | 20.2C | 1.180P | 1.179 | 29.020P | 2326 | 2326 | 1446.7C | 138 | 13 | 4622 |
| 1425 | 21.6 | 21.8C | -1.080P | -1.079 | 29.160P | 2345 | 2345 | 1436.5C | 145 | 15 | 4437 |
| 1425 | 30.0 | 30.2C | -1.210P | -1.209 | 29.190P | 2348 | 2348 | 1436.1C | 183 | 25 | 4410 |
| 1425 | 40.0 | 40.3C | -1.220P | -1.220 | 29.190P | 2348 | 2348 | 1436.2C | 227 | 41 | 4409 |
| 1425 | 45.0 | 45.4C | -1.210P | -1.210 | 29.200P | 2349 | 2349 | 1436.3C | 250 | 51 | 4401 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 788D |
| 6.0 | 6.0C | |
| 10.0 | 10.1C | 788D |
| 11.0 | 11.1C | |
| 13.0 | 13.1C | |
| 15.0 | 15.1C | |
| 17.0 | 17.1C | |
| 18.7 | 18.9C | |
| 20.0 | 20.2C | 816D |
| 21.6 | 21.8C | |
| 30.0 | 30.2C | |
| 40.0 | 40.3C | 844D |
| 45.0 | 45.4C | 844D |

CRUISE NUMBER 72001 STATION NUMBER 008

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|--------|------|------|--------|------|-----|------|
| | 0.0 | 0.0 | 5.050 | 5.050 | 25.770 | 2040 | 2040 | 1459.0 | 0 | 0 | 7364 |
| | 10.0 | 10.1 | 4.800 | 4.799 | 25.800 | 2045 | 2045 | 1458.1 | 74 | 4 | 7319 |
| | 20.0 | 20.2 | 1.180 | 1.179 | 29.020 | 2326 | 2326 | 1446.7 | 138 | 13 | 4622 |
| | 30.0 | 30.2 | -1.209 | -1.208 | 29.190 | 2348 | 2348 | 1436.1 | 183 | 25 | 4410 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 788 |
| 10.0 | 10.1 | 788 |
| 20.0 | 20.2 | 816 |
| 30.0 | 30.2 | 835A |

CRUISE NUMBER 72001

STATION NUMBER 009

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 49.80 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 310 | WM | 43 | COUN | 18 |
| LONG | W 80 33.00 | MONTH | 8 | SWEL-P/H | 05 | WIND-SPD | 06 | CLD-A | 8 | INST | 07 |
| DEPTH | 31.1 | DAY | 09 | SWEL-D | 000 | AIR-TEM | 5.6 | | | RESTA | |
| MARSD SQ | 189 | H/M | 1636 | BARO | 1012.0 | WET-BLB | 3.4 | | | UNAS BP | 95 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1715 | 0.0 | 0.0C | 5.200P | 5.200 | 25.180P | 1992 | 1992 | 1458.9C | 0 | 0 | 7824 |
| 1715 | 6.5 | 6.6C | 5.200P | 5.200 | 25.280P | 2000 | 2000 | 1459.1C | 51 | 2 | 7748 |
| 1715 | 10.0 | 10.1C | 4.410P | 4.409 | 25.800P | 2048 | 2048 | 1456.5C | 78 | 4 | 7286 |
| 1715 | 12.9 | 13.0C | 3.470P | 3.469 | 26.640P | 2122 | 2122 | 1453.6C | 98 | 6 | 6576 |
| 1715 | 14.0 | 14.1C | 2.520P | 2.519 | 26.770P | 2139 | 2139 | 1449.6C | 105 | 7 | 6413 |
| 1715 | 15.0 | 15.1C | 2.230P | 2.229 | 26.790P | 2142 | 2142 | 1448.4C | 111 | 8 | 6381 |
| 1715 | 17.3 | 17.4C | 2.150P | 2.149 | 26.840P | 2147 | 2147 | 1448.1C | 126 | 11 | 6338 |
| 1715 | 20.0 | 20.2C | 2.090P | 2.089 | 27.220P | 2178 | 2178 | 1448.4C | 143 | 14 | 6045 |
| 1715 | 21.0 | 21.2C | 1.870P | 1.869 | 27.420P | 2195 | 2195 | 1447.7C | 149 | 15 | 5880 |
| 1715 | 23.5 | 23.7C | 0.590P | 0.589 | 27.810P | 2232 | 2232 | 1442.5C | 164 | 19 | 5522 |
| 1715 | 30.0 | 30.2C | 0.210P | 0.209 | 27.990P | 2248 | 2248 | 1441.1C | 199 | 28 | 5370 |

| DEPTH | PRESS | OPY |
|-------|-------|------|
| 0.0 | 0.0C | 802D |
| 6.5 | 6.6C | |
| 10.0 | 10.1C | 802D |
| 12.9 | 13.0C | |
| 14.0 | 14.1C | |
| 15.0 | 15.1C | |
| 17.3 | 17.4C | |
| 20.0 | 20.2C | 816D |
| 21.0 | 21.2C | |
| 23.5 | 23.7C | |
| 30.0 | 30.2C | 831D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|-------|--------|--------|------|------|--------|------|-----|------|
| | 0.0 | 0.0 | 5.200 | 5.200 | 25.180 | 1992 | 1992 | 1458.9 | 0 | 0 | 7824 |
| | 10.0 | 10.1 | 4.410 | 4.409 | 25.800 | 2048 | 2048 | 1456.5 | 78 | 4 | 7286 |
| | 20.0 | 20.2 | 2.090 | 2.089 | 27.220 | 2178 | 2178 | 1448.4 | 143 | 14 | 6045 |
| | 30.0 | 30.2 | 0.210 | 0.209 | 27.990 | 2248 | 2248 | 1441.1 | 199 | 28 | 5370 |

CRUISE NUMBER 72001 STATION NUMBER 009

| DEPTH | PRESS | OXY |
|-------|-------|-----|
| 0.0 | 0.0 | 802 |
| 10.0 | 10.1 | 802 |
| 20.0 | 20.2 | 816 |
| 30.0 | 30.2 | 831 |

CRUISE NUMBER 72001 STATION NUMBER 010

| | | | | | | | | | | | |
|-------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 300 | WW | 02 | COUN | 18 |
| LONG | W 80 1.00 | MONTH | 8 | SWEL-P/H | | WIND-SPD | 06 | CLD-A | B | INST | 07 |
| DEPTH | 60.4 | DAY | 09 | SWEL-D | 310 | AIR-TEM | 5.6 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1915 | BARO | 1012.3 | WET-BLB | 4.0 | | | UNAS | B 110 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1930 | 0.0 | 0.0C | 5.660P | 5.660 | 23.870P | 1885 | 1885 | 1459.1C | 0 | 0 | 8858 |
| 1930 | 7.0 | 7.1C | 5.460P | 5.460 | 24.140P | 1908 | 1908 | 1458.7C | 62 | 2 | 8635 |
| 1930 | 9.0 | 9.1C | 5.440P | 5.439 | 24.490P | 1936 | 1936 | 1459.1C | 79 | 4 | 8368 |
| 1930 | 9.7 | 9.8C | 5.420P | 5.419 | 24.610P | 1945 | 1945 | 1459.2C | 85 | 4 | 8275 |
| 1930 | 10.0 | 10.1C | 4.930P | 4.929 | 24.680P | 1955 | 1955 | 1457.2C | 87 | 4 | 8179 |
| 1930 | 13.0 | 13.1C | 4.600P | 4.599 | 24.820P | 1969 | 1969 | 1456.1C | 112 | 7 | 8045 |
| 1930 | 14.0 | 14.1C | 3.980P | 3.979 | 25.020P | 1990 | 1990 | 1453.7C | 120 | 8 | 7845 |
| 1930 | 15.5 | 15.6C | 3.200P | 3.199 | 25.860P | 2062 | 2062 | 1451.4C | 131 | 10 | 7150 |
| 1930 | 16.0 | 16.1C | 2.590P | 2.589 | 26.000P | 2077 | 2077 | 1448.9C | 134 | 11 | 7005 |
| 1930 | 16.8 | 16.9C | 2.000P | 1.999 | 26.160P | 2094 | 2094 | 1446.5C | 140 | 12 | 6850 |
| 1930 | 17.0 | 17.1C | 1.640P | 1.639 | 26.180P | 2097 | 2097 | 1444.9C | 141 | 12 | 6816 |
| 1930 | 19.3 | 19.5C | 1.230P | 1.229 | 26.560P | 2129 | 2129 | 1443.6C | 157 | 15 | 6507 |
| 1930 | 20.0 | 20.2C | 0.790P | 0.789 | 26.660P | 2139 | 2139 | 1441.7C | 162 | 16 | 6412 |
| 1930 | 23.0 | 23.2C | 0.230P | 0.229 | 27.670P | 2222 | 2222 | 1440.6C | 180 | 20 | 5617 |
| 1930 | 26.0 | 26.2C | -0.020P | -0.020 | 27.800P | 2233 | 2233 | 1439.7C | 197 | 24 | 5509 |
| 1930 | 30.0 | 30.2C | -0.400P | -0.400 | 28.320P | 2276 | 2276 | 1438.7C | 218 | 30 | 5098 |
| 1930 | 40.0 | 40.3C | -0.800P | -0.800 | 28.970P | 2330 | 2330 | 1437.9C | 266 | 47 | 4587 |
| 1930 | 50.0 | 50.4C | -1.080P | -1.080 | 29.230P | 2351 | 2351 | 1437.1C | 312 | 68 | 4379 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 795D |
| 7.0 | 7.1C | |
| 9.0 | 9.1C | |
| 9.7 | 9.8C | |
| 10.0 | 10.1C | 788D |
| 13.0 | 13.1C | |
| 14.0 | 14.1C | |
| 15.5 | 15.6C | |
| 16.0 | 16.1C | |
| 16.8 | 16.9C | |
| 17.0 | 17.1C | |
| 19.3 | 19.5C | |
| 20.0 | 20.2C | 788D |
| 23.0 | 23.2C | |
| 26.0 | 26.2C | |
| 30.0 | 30.2C | |
| 40.0 | 40.3C | 774D |
| 50.0 | 50.4C | 760D |

CRUISE NUMBER 72001 STATION NUMBER 010

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|--------|------|------|--------|------|-----|------|
| | 0.0 | 0.0 | 5.660 | 5.660 | 23.870 | 1885 | 1885 | 1459.1 | 0 | 0 | 8858 |
| | 10.0 | 10.1 | 4.930 | 4.929 | 24.680 | 1955 | 1955 | 1457.2 | 87 | 4 | 8179 |
| | 20.0 | 20.2 | 0.790 | 0.789 | 26.660 | 2139 | 2139 | 1441.7 | 162 | 16 | 6412 |
| | 30.0 | 30.2 | -0.399 | -0.399 | 28.320 | 2276 | 2276 | 1438.7 | 218 | 30 | 5098 |
| | 50.0 | 50.4 | -1.079 | -1.079 | 29.230 | 2351 | 2351 | 1437.1 | 312 | 68 | 4379 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 795 |
| 10.0 | 10.1 | 788 |
| 20.0 | 20.2 | 788 |
| 30.0 | 30.2 | 783A |
| 50.0 | 50.4 | 760 |

CRUISE NUMBER 72001 STATION NUMBER 011

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0301 | WIND-DIR | 290 | WW | 02 | COUN | 18 |
| LONG | W 79 36.00 | MONTH | 8 | SWEL-P/H | | WIND-SPD | 05 | CLD-A | 8 | INST | 07 |
| DEPTH | 48.0 | DAY | 09 | SWEL-D | 310 | AIR-TEM | 6.0 | | | RESTR | |
| MARSD SQ | 188 | H/M | 2210 | BARO | 1013.0 | WET-BLB | 6.3 | | | UNAS BP | 42 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|---------|-----|---------|
| 2245 | 0.0 | 0.0C | 6.670P | 6.670 | 20.3 | G | 1598 | 1598 | 1458.7C | 0 | 0 11632 |
| 2245 | 2.2 | 2.2C | 6.600P | | | | | | | | |
| 2245 | 2.5 | 2.5C | 6.000P | | | | | | | | |
| 2245 | 3.0 | 3.0C | 5.780P | 5.780 | 22.400P | 1768 | 1768 | 1457.7C | 32 | 0 | 9983 |
| 2245 | 5.6 | 5.6C | 5.110P | 5.110 | 23.340P | 1848 | 1848 | 1456.2C | 57 | 2 | 9211 |
| 2245 | 6.0 | 6.0C | 3.910P | 3.910 | 23.420P | 1864 | 1864 | 1451.1C | 61 | 2 | 9058 |
| 2245 | 9.7 | 9.8C | 3.660P | 3.659 | 23.820P | 1897 | 1897 | 1450.6C | 95 | 4 | 8736 |
| 2245 | 15.0 | 15.1C | 3.440P | 3.439 | 24.370P | 1942 | 1942 | 1450.5C | 140 | 10 | 8302 |
| 2245 | 19.5 | 19.7C | 3.330P | 3.329 | 24.560P | 1958 | 1958 | 1450.3C | 178 | 17 | 8149 |
| 2245 | 27.0 | 27.2C | 2.780P | 2.779 | 25.010P | 1997 | 1998 | 1448.6C | 237 | 31 | 7771 |
| 2245 | 29.3 | 29.5C | 2.610P | 2.609 | 25.100P | 2006 | 2006 | 1448.0C | 255 | 36 | 7692 |
| 2245 | 33.0 | 33.3C | 1.800P | 1.799 | 25.890P | 2073 | 2073 | 1445.5C | 283 | 45 | 7045 |
| 2245 | 36.0 | 36.3C | 1.090P | 1.089 | 26.470P | 2123 | 2123 | 1443.1C | 304 | 52 | 6568 |
| 2245 | 39.1 | 39.4C | 0.620P | 0.619 | 26.790P | 2150 | 2150 | 1441.5C | 323 | 60 | 6304 |
| 2245 | 42.0 | 42.3C | 0.240P | 0.239 | 27.100P | 2176 | 2176 | 1440.2C | 341 | 68 | 6053 |
| 2245 | 46.0 | 46.4C | -0.090P | -0.090 | 27.500P | 2209 | 2209 | 1439.3C | 366 | 79 | 5735 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 810D |
| 2.2 | 2.2C | |
| 2.5 | 2.5C | |
| 3.0 | 3.0C | |
| 5.6 | 5.6C | |
| 6.0 | 6.0C | |
| 9.7 | 9.8C | 802D |
| 15.0 | 15.1C | |
| 19.5 | 19.7C | 788D |
| 27.0 | 27.2C | |
| 29.3 | 29.5C | 795D |
| 33.0 | 33.3C | |
| 36.0 | 36.3C | |
| 39.1 | 39.4C | 774D |
| 42.0 | 42.3C | |
| 46.0 | 46.4C | |

CRUISE NUMBER 72001 STATION NUMBER 011

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 6.670 | 6.670 | 20.336 | 1598 | 1598 | 1458.7 | 0 | 0 | 11632 |
| | 10.0 | 10.1A | 3.644A | 3.643 | 23.856C | 1900 | 1900 | 1450.6A | 98 | 4 | 8707 |
| | 20.0 | 20.2A | 3.301C | 3.300 | 24.591C | 1961 | 1961 | 1450.2A | 182 | 18 | 8123 |
| | 30.0 | 30.2A | 2.485E | 2.484 | 25.249W | 2016 | 2016 | 1447.6A | 260 | 38 | 7592 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 810 |
| 10.0 | 10.1A | 801A |
| 20.0 | 20.2A | 788A |
| 30.0 | 30.2A | 794W |

CRUISE NUMBER 72001

STATION NUMBER 012

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 310 | WW | 02 | COUN | 18 |
| LONG | W 79 21.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 05 | CLD-A | 8 | INST | 07 |
| DEPTH | 37.2 | DAY | 10 | SWEL-D | 310 | AIR-TEM | 5.5 | | | RESTR | |
| MARSD | SQ 188 | H/M | 0000 | BARO | 1013.0 | WET-BLB | 5.7 | | | UNAS | SP 25 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|--------|--------|---------|------|------|---------|---------|-----|---------|
| 0018 | 0.0 | 0.0C | 5.810P | 5.810 | 12.2 | G | 968 | 968 | 1444.9C | 0 | 0 17766 |
| 0018 | 1.2 | 1.2C | 5.780P | | | | | | | | |
| 0018 | 2.0 | 2.0C | 4.700P | | | | | | | | |
| 0018 | 5.0 | 5.0C | 4.000P | | | | | | | | |
| 0018 | 9.9 | 10.0C | 3.710P | 3.709 | 23.380B | 1862 | 1862 | 1450.3C | 134 | 6 | 9075 |
| 0018 | 19.9 | 20.1C | 3.390P | 3.389 | 23.7 | G | 1897 | 1897 | 1449.6C | 224 | 20 8739 |
| 0018 | 22.0 | 22.2C | 3.210P | | | | | | | | |
| 0018 | 23.3 | 23.5C | 2.800P | | | | | | | | |
| 0018 | 29.8 | 30.0C | 2.560P | 2.559 | 24.5 | G | 1960 | 1960 | 1447.0C | 308 | 41 8130 |
| 0018 | 32.0 | 32.3C | 2.350P | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 783D |
| 1.2 | 1.2C | |
| 2.0 | 2.0C | |
| 5.0 | 5.0C | |
| 9.9 | 10.0C | 790D |
| 19.9 | 20.1C | 810D |
| 22.0 | 22.2C | |
| 23.3 | 23.5C | |
| 29.8 | 30.0C | 810D |
| 32.0 | 32.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 5.810 | 5.810 | 12.234 | 968 | 968 | 1444.9 | 0 | 0 | 17766 |
| | 10.0 | 10.1A | 3.708C | 3.703 | 23.384W | 1864 | 1864 | 1450.3A | 135 | 6 | 9051 |
| | 20.0 | 20.2A | 3.389C | 3.381 | 23.799W | 1898 | 1898 | 1449.6W | 225 | 20 | 8733 |
| | 30.0 | 30.2W | 2.541W | 2.542 | 24.539W | 1961 | 1961 | 1446.9W | 310 | 41 | 8118 |

CRUISE NUMBER 72001

STATION NUMBER 012

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 783 |
| 10.0 | 10.1A | 790A |
| 20.0 | 20.2A | 810W |
| 30.0 | 30.2W | 810W |

CRUISE NUMBER 72001 STATION NUMBER 013

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 37.50 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 170 | WW | 42 | COUN | 18 |
| LONG | W 79 36.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 05 | CLD-A | 1 | INST | 07 |
| DEPTH | 52.1 | DAY | 10 | SWEL-D | 310 | AIR-TEM | 4.8 | | | RESTR | |
| MARSD | SQ 188 | H/M | 1305 | BARO | 1016.0 | WET-BLB | 4.9 | | | UNAS | SP 50 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|--------|--------|------|------|------|-------|---------|-----|------|
| 1319 | 0.0 | 0.0C | 4.200P | 4.200 | 23.6 | G | 1880 | 1880 | 1452.6C | 0 | 8901 |
| 1319 | 7.0 | 7.1C | 3.800P | | | | | | | | |
| 1319 | 9.7 | 9.8C | 3.610P | 3.609 | 24.1 | G | 1926 | 1926 | 1450.9C | 85 | 8450 |
| 1319 | 13.0 | 13.1C | 3.500P | | | | | | | | |
| 1319 | 18.0 | 18.1C | 3.600P | | | | | | | | |
| 1319 | 19.4 | 19.6C | 3.570P | 3.569 | 24.4 | G | 1951 | 1951 | 1451.3C | 167 | 8218 |
| 1319 | 22.0 | 22.2C | 3.390P | | | | | | | | |
| 1319 | 24.0 | 24.2C | 3.410P | | | | | | | | |
| 1319 | 29.1 | 29.3C | 3.080P | 3.079 | 24.7 | G | 1977 | 1977 | 1449.7C | 245 | 7966 |
| 1319 | 34.0 | 34.3C | 2.640P | | | | | | | | |
| 1319 | 38.8 | 39.1C | 1.900P | 1.898 | 25.7 | H | 2065 | 2065 | 1445.9C | 319 | 7125 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 803D |
| 7.0 | 7.1C | |
| 9.7 | 9.8C | 803D |
| 13.0 | 13.1C | |
| 18.0 | 18.1C | |
| 19.4 | 19.6C | 803D |
| 22.0 | 22.2C | |
| 24.0 | 24.2C | |
| 29.1 | 29.3C | 810D |
| 34.0 | 34.3C | |
| 38.8 | 39.1C | 803D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.200 | 4.200 | 23.654 | 1880 | 1880 | 1452.6 | 0 | 0 | 8901 |
| | 10.0 | 10.1A | 3.594A | 3.607 | 24.189A | 1927 | 1927 | 1450.9A | 88 | 4 | 8451 |
| | 20.0 | 20.2A | 3.525E | 3.555 | 24.499D | 1952 | 1952 | 1451.3A | 172 | 17 | 8211 |
| | 30.0 | 30.2A | 3.016C | 2.969 | 24.873W | 1985 | 1985 | 1449.3W | 252 | 38 | 7888 |

CRUISE NUMBER 72001

STATION NUMBER 013

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 803 |
| 10.0 | 10.1A | 803A |
| 20.0 | 20.2A | 804A |
| 30.0 | 30.2A | 809W |

CRUISE NUMBER 72001 STATION NUMBER 014

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|------|----------|------|-------|----|-------|-------|
| LAT | N53 37.00 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 190 | WM | 01 | COUM | 18 |
| LONG | W 80 00.00 | MONTH | 8 | SWEL-P/H | 0501 | WIND-SPD | 05 | CLD-A | 0 | INST | 07 |
| DEPTH | 52.0 | DAY | 10 | SWEL-D | 160 | AIR-TEM | 12.8 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1615 | BARO | | WET-BLB | 6.5 | | | UNAS | SP 85 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1627 | 0.0 | 0.0C | 5.38 D | 5.380 | 23.819B | 1883 | 1883 | 1457.8C | 0 | 0 | 8871 |
| 1627 | 9.4 | 9.5C | 4.45 F | 4.449 | 23.993B | 1905 | 1905 | 1454.3C | 83 | 4 | 8652 |
| 1627 | 18.9 | 19.1C | 3.57 E | 3.569 | 24.285B | 1935 | 1935 | 1451.0C | 165 | 16 | 8375 |
| 1627 | 28.3 | 28.5C | 2.96 E | 2.959 | 24.834B | 1982 | 1982 | 1449.2C | 242 | 35 | 7916 |
| 1627 | 47.2 | 47.6C | -0.50 F | -0.500 | 28.534B | 2294 | 2294 | 1438.8C | 365 | 81 | 4929 |

DEPTH PRESS OXY

| | | |
|------|-------|------|
| 0.0 | 0.0C | 796D |
| 9.4 | 9.5C | 796D |
| 18.9 | 19.1C | 796D |
| 28.3 | 28.5C | 796D |
| 47.2 | 47.6C | 796D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.380 | 5.380 | 23.819 | 1883 | 1883 | 1457.8 | 0 | 0 | 8871 |
| | 10.0 | 10.1A | 4.390C | 4.389 | 24.006B | 1907 | 1907 | 1454.1A | 88 | 5 | 8648 |
| | 20.0 | 20.2A | 3.511E | 3.510 | 24.349W | 1938 | 1938 | 1450.8A | 174 | 18 | 8343 |
| | 30.0 | 30.2W | 2.649W | 2.648 | 25.167W | 2010 | 2010 | 1448.3W | 253 | 39 | 7647 |

DEPTH PRESS OXY

| | | |
|------|-------|------|
| 0.0 | 0.0 | 796 |
| 10.0 | 10.1A | 796A |
| 20.0 | 20.2A | 796A |
| 30.0 | 30.2W | 796W |

CRUISE NUMBER 72001

STATION NUMBER 015

| | | | | | | | | | | | | |
|-------|------|------|-------|------|----------|--------|----------|------|-------|----|-------|----|
| LAT | N54 | 2.10 | YEAR | 1972 | WAVE-P/H | 0201 | WIND-DIR | 170 | WW | 02 | COUN | 18 |
| LONG | W 80 | 1.50 | MONTH | 8 | SWEL-P/H | 0501 | WIND-SPD | 08 | CLD-A | 0 | INST | 07 |
| DEPTH | | 64.1 | DAY | 10 | SWEL-D | 180 | AIR-TEM | 12.8 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 1930 | BARO | 1014.2 | WET-BLB | 8.0 | | | UNAS | 85 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1942 | 0.0 | 0.0C | 6.0 H | 6.000 | 22.602B | 1782 | 1782 | 1458.9C | 0 | 0 | 9850 |
| 1942 | 7.3 | 7.4C | 4.90 F | 4.900 | 23.844B | 1890 | 1890 | 1456.0C | 69 | 3 | 8811 |
| 1942 | 14.6 | 14.7C | 3.89 F | 3.889 | 24.686B | 1964 | 1964 | 1452.9C | 131 | 9 | 8092 |
| 1942 | 21.9 | 22.1C | 1.65 D | 1.649 | 25.907B | 2075 | 2075 | 1444.7C | 187 | 20 | 7025 |
| 1942 | 36.5 | 36.8C | -0.37 E | -0.370 | 28.072B | 2256 | 2256 | 1438.6C | 277 | 47 | 5289 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 803D |
| 7.3 | 7.4C | |
| 14.6 | 14.7C | 796D |
| 21.9 | 22.1C | 810D |
| 36.5 | 36.8C | 810D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 6.000 | 6.000 | 22.602 | 1782 | 1782 | 1458.9 | 0 | 0 | 9850 |
| | 10.0 | 10.1A | 4.593G | 4.592 | 24.155W | 1917 | 1917 | 1455.2B | 93 | 5 | 8547 |
| | 20.0 | 20.2A | 2.253G | 2.252 | 25.589W | 2045 | 2045 | 1446.9C | 173 | 17 | 7313 |
| | 30.0 | 30.3W | 0.529W | 0.529 | 27.108W | 2175 | 2175 | 1441.3W | 237 | 35 | 6062 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 803 |
| 10.0 | 10.1A | 798W |
| 20.0 | 20.2A | 806A |
| 30.0 | 30.3W | 810W |

CRUISE NUMBER 72001 STATION NUMBER 016

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 | 2.00 | YEAR | 1972 | WAVE-P/H | 0402 | WIND-DIR | 180 | WW | 03 | COUN | 18 |
| LONG | W 79 | 48.00 | MONTH | 8 | SWEL-P/H | 0501 | WIND-SPD | 09 | CLD-A | 1 | INST | 07 |
| DEPTH | | 33.5 | DAY | 10 | SWEL-D | 180 | AIR-TEM | 8.5 | | | RESTR | |
| MARSD | SQ | 188 | H/M | 2125 | BARO | 1013.5 | WET-BLB | 7.5 | | | UNAS | SP 50 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 2140 | 0.0 | 0.0C | 6.600P | 6.600 | 20.57 F | 1617 | 1617 | 1458.7C | 0 | 0 | 11441 |
| 2140 | 6.0 | 6.0C | 6.480P | | | | | | | | |
| 2140 | 7.0 | 7.1C | 4.590P | 4.590 | 20.9 G | 1662 | 1662 | 1450.8C | 80 | 3 | 11008 |
| 2140 | 14.1 | 14.2C | 3.420P | 3.419 | 23.4 G | 1868 | 1868 | 1449.1C | 151 | 10 | 9016 |
| 2140 | 21.2 | 21.4C | 2.980P | 2.979 | 24.0 H | 1917 | 1917 | 1448.1C | 214 | 22 | 8550 |
| 2140 | 23.0 | 23.2C | 2.650P | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 796D |
| 6.0 | 6.0C | |
| 7.0 | 7.1C | 796D |
| 14.1 | 14.2C | 796D |
| 21.2 | 21.4C | 803D |
| 23.0 | 23.2C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVI |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 6.600 | 6.600 | 20.579 | 1617 | 1617 | 1458.7 | 0 | 0 | 11441 |
| | 10.0 | 10.1A | 3.998D | 3.997 | 21.985W | 1749 | 1749 | 1449.7C | 111 | 5 | 10169 |
| | 20.0 | 20.2A | 3.077F | 3.053 | 23.909W | 1909 | 1909 | 1448.3W | 203 | 20 | 8629 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 796 |
| 10.0 | 10.1A | 796A |
| 20.0 | 20.2A | 802W |

CRUISE NUMBER 72001

STATION NUMBER 017

| | | | | | | | | | |
|----------|------|-------|-------|------|----------|----------|---------|---------|----|
| LAT | N53 | 49.30 | YEAR | 1972 | WAVE-P/H | WIND-DIR | WW | COUN | 18 |
| LONG | W 79 | 9.20 | MONTH | 8 | SWEL-P/H | WIND-SPD | CLD-A 8 | INST | 07 |
| DEPTH | | 15.3 | DAY | 11 | SWEL-D | AIR-TEM | | RESTR | |
| MARSD SQ | | 188 | H/M | 1510 | BARO | WET-BLB | | UNAS NN | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 1510 | 0.0 | 0.0C | 6.420P | 6.420 | 18.130P | 1427 | 1427 | 1454.9C | 0 | 0 | 13288 |
| 1510 | 5.0 | 5.0C | 5.890P | 5.890 | 19.030P | 1502 | 1502 | 1453.9C | 65 | 2 | 12556 |
| 1510 | 10.0 | 10.1C | 4.460P | 4.459 | 21.850P | 1736 | 1736 | 1451.5C | 123 | 6 | 10294 |
| 1510 | 15.0 | 15.1C | 4.320P | 4.319 | 22.040P | 1752 | 1752 | 1451.2C | 174 | 13 | 10139 |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|-------|--------|--------|------|------|--------|------|-----|-------|
| | 0.0 | 0.0 | 6.420 | 6.420 | 18.130 | 1427 | 1427 | 1454.9 | 0 | 0 | 13288 |
| | 10.0 | 10.1 | 4.460 | 4.459 | 21.850 | 1736 | 1736 | 1451.5 | 123 | 6 | 10294 |

| | | |
|-------|-------|-----|
| DEPTH | PRESS | OXY |
|-------|-------|-----|

CRUISE NUMBER 72001 STATION NUMBER 018

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0302 | WIND-DIR | 160 | WW | 02 | COUN | 18 |
| LONG | W 79 37.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 07 | CLD-A | 8 | INST | 07 |
| DEPTH | 76.2 | DAY | 30 | SWEL-D | 000 | AIR-TEM | 6.0 | | | RESTR | |
| MARSD | SQ 188 | H/M | 1210 | BARO | 1014.0 | WET-BLB | 6.1 | | | UNAS | BP 50 |

OBSERVED

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | BVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1215 | 0.0 | 0.0C | 5.720P | 5.720 | 23.830P | 1881 | 1881 | 1459.3C | 0 | 0 | 8894 |
| 1215 | 5.0 | 5.0C | 5.680P | 5.680 | 23.870P | 1885 | 1885 | 1459.2C | 44 | 1 | 8859 |
| 1215 | 9.7 | 9.8C | 5.390P | 5.389 | 24.180P | 1912 | 1912 | 1458.5C | 86 | 4 | 8598 |
| 1215 | 14.0 | 14.1C | 5.060P | 5.059 | 24.530P | 1942 | 1942 | 1457.6C | 123 | 9 | 8304 |
| 1215 | 18.0 | 18.1C | 4.600P | 4.599 | 24.830P | 1970 | 1970 | 1456.1C | 155 | 14 | 8037 |
| 1215 | 19.5 | 19.7C | 4.560P | 4.559 | 24.920P | 1977 | 1977 | 1456.1C | 168 | 17 | 7966 |
| 1215 | 25.0 | 25.2C | 4.060P | 4.059 | 25.360P | 2016 | 2016 | 1454.6C | 211 | 26 | 7592 |
| 1215 | 27.0 | 27.2C | 3.610P | 3.609 | 25.500P | 2031 | 2031 | 1452.9C | 226 | 30 | 7452 |
| 1215 | 29.3 | 29.5C | 3.380P | 3.378 | 25.680P | 2047 | 2047 | 1452.2C | 243 | 35 | 7299 |
| 1215 | 35.0 | 35.3C | 2.850P | 2.848 | 26.090P | 2083 | 2083 | 1450.5C | 284 | 49 | 6951 |
| 1215 | 40.0 | 40.3C | 2.660P | 2.658 | 26.250P | 2097 | 2097 | 1450.0C | 319 | 62 | 6817 |
| 1215 | 48.9 | 49.3C | 2.030P | 2.028 | 26.720P | 2138 | 2138 | 1447.9C | 378 | 89 | 6421 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 767D |
| 5.0 | 5.0C | |
| 9.7 | 9.8C | 760D |
| 14.0 | 14.1C | |
| 18.0 | 18.1C | |
| 19.5 | 19.7C | 767D |
| 25.0 | 25.2C | |
| 27.0 | 27.2C | |
| 29.3 | 29.5C | 767D |
| 35.0 | 35.3C | |
| 40.0 | 40.3C | |
| 48.9 | 49.3C | 760D |

CRUISE NUMBER 72001 STATION NUMBER 018

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SWA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.720 | 5.720 | 23.830 | 1881 | 1881 | 1459.3 | 0 | 0 | 8844 |
| | 10.0 | 10.1A | 5.371B | 5.370 | 24.204A | 1914 | 1914 | 1458.5A | 89 | 4 | 8578 |
| | 20.0 | 20.2A | 4.548D | 4.547 | 24.958C | 1980 | 1980 | 1456.1A | 172 | 18 | 7936 |
| | 30.0 | 30.2A | 3.304C | 3.302 | 25.738C | 2052 | 2052 | 1452.0A | 248 | 37 | 7249 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 767 |
| 10.0 | 10.1A | 760A |
| 20.0 | 20.2A | 767A |
| 30.0 | 30.2A | 767W |

CRUISE NUMBER 72001

STATION NUMBER 019

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0404 | WIND-DIR | 160 | WW | 02 | COUN | 18 |
| LONG W | 80 0.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | 50.0 | DAY | 30 | SWEL-D | 000 | AIR-TEM | 7.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1410 | BARO | 1013.0 | WET-BLB | 7.6 | | | UNAS BP | 80 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVI |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1424 | 0.0 | 0.0C | 5.990P | 5.990 | 24.640P | 1942 | 1942 | 1461.4C | 0 | 0 | 8306 |
| 1424 | 10.0 | 10.1C | 5.880P | 5.879 | 24.670P | 1946 | 1946 | 1461.2C | 84 | 4 | 8273 |
| 1424 | 15.0 | 15.1C | 5.800P | 5.799 | 24.880P | 1963 | 1963 | 1461.2C | 125 | 10 | 8106 |
| 1424 | 17.0 | 17.1C | 4.210P | 4.209 | 25.260P | 2007 | 2007 | 1455.0C | 141 | 12 | 7680 |
| 1424 | 20.0 | 20.2C | 3.700P | 3.699 | 26.240P | 2089 | 2089 | 1454.2C | 163 | 16 | 6896 |
| 1424 | 23.6 | 23.8C | 1.970P | 1.969 | 27.580P | 2207 | 2207 | 1448.4C | 186 | 22 | 5763 |
| 1424 | 27.0 | 27.2C | 1.260P | 1.259 | 27.650P | 2216 | 2216 | 1445.4C | 205 | 27 | 5673 |
| 1424 | 30.0 | 30.2C | 1.200P | 1.199 | 27.700P | 2221 | 2221 | 1445.2C | 222 | 32 | 5631 |
| 1424 | 36.0 | 36.3C | 0.880P | 0.879 | 27.980P | 2244 | 2244 | 1444.2C | 256 | 43 | 5402 |
| 1424 | 38.0 | 38.3C | 0.400P | 0.399 | 28.210P | 2265 | 2265 | 1442.4C | 267 | 47 | 5207 |
| 1424 | 40.0 | 40.3C | -0.040P | -0.040 | 28.480P | 2288 | 2288 | 1440.7C | 277 | 51 | 4984 |
| 1424 | 44.0 | 44.4C | -0.220P | -0.220 | 28.810P | 2315 | 2315 | 1440.4C | 297 | 60 | 4725 |
| 1424 | 50.0 | 50.4C | -0.300P | -0.300 | 29.350P | 2359 | 2359 | 1440.9C | 324 | 73 | 4307 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 754D |
| 10.0 | 10.1C | 747D |
| 15.0 | 15.1C | |
| 17.0 | 17.1C | |
| 20.0 | 20.2C | 747D |
| 23.6 | 23.8C | |
| 27.0 | 27.2C | |
| 30.0 | 30.2C | 754D |
| 36.0 | 36.3C | |
| 38.0 | 38.3C | |
| 40.0 | 40.3C | |
| 44.0 | 44.4C | |
| 50.0 | 50.4C | 760 |

CRUISE NUMBER 72001 STATION NUMBER 019

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | FWA |
|-----|-------|-------|-------|--------|--------|------|------|--------|------|-----|------|
| | 0.0 | 0.0 | 5.890 | 5.990 | 24.640 | 1942 | 1942 | 1461.4 | 8 | 0 | 8806 |
| | 10.0 | 10.1 | 5.880 | 5.879 | 24.670 | 1946 | 1946 | 1461.2 | 84 | 4 | 8273 |
| | 20.0 | 20.2 | 3.700 | 3.699 | 26.240 | 2089 | 2089 | 1454.2 | 163 | 16 | 6895 |
| | 30.0 | 30.2 | 1.200 | 1.199 | 27.700 | 2221 | 2221 | 1445.2 | 222 | 32 | 5641 |
| | 50.0 | 50.4 | 0.299 | 0.299 | 29.350 | 2359 | 2359 | 1440.9 | 324 | 73 | 1501 |

| DEPTH | PRESS | OXY |
|-------|-------|-----|
| 0.0 | 0.0 | 754 |
| 10.0 | 10.1 | 747 |
| 20.0 | 20.2 | 747 |
| 30.0 | 30.2 | 754 |
| 50.0 | 50.4 | 760 |

CRUISE NUMBER 72001

STATION NUMBER 020

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 49.00 | YEAR | 1972 | WAVE-P/H | 0404 | WIND-DIR | 140 | WW | 02 | COUN | 18 |
| LONG | W 80 00.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | 76.2 | DAY | 30 | SWEL-D | 000 | AIR-TEM | 9.9 | | | REST | |
| MARSD SQ | 189 | H/M | 1550 | BARO | 1012.5 | WET-BLB | 8.0 | | | UNAS BP | 70 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1610 | 0.0 | 0.0C | 5.570P | 5.570 | 24.220P | 1913 | 1913 | 1459.2C | 0 | 0 | 8584 |
| 1610 | 8.3 | 8.4C | 5.400P | 5.399 | 24.410P | 1930 | 1930 | 1458.8C | 71 | 3 | 8425 |
| 1610 | 10.0 | 10.1C | 5.310P | 5.309 | 24.590P | 1945 | 1945 | 1458.7C | 86 | 4 | 8280 |
| 1610 | 14.0 | 14.1C | 4.990P | 4.989 | 25.030P | 1982 | 1982 | 1458.0C | 118 | 8 | 7919 |
| 1610 | 15.0 | 15.1C | 4.800P | 4.799 | 25.310P | 2006 | 2006 | 1457.6C | 126 | 10 | 7690 |
| 1610 | 16.7 | 16.8C | 4.020P | 4.019 | 25.880P | 2058 | 2058 | 1455.0C | 139 | 12 | 7194 |
| 1610 | 20.0 | 20.2C | 2.400P | 2.399 | 26.880P | 2149 | 2149 | 1449.3C | 161 | 16 | 6322 |
| 1610 | 22.0 | 22.2C | 1.790P | 1.789 | 27.010P | 2162 | 2162 | 1446.8C | 174 | 19 | 6189 |
| 1610 | 25.1 | 25.3C | 1.600P | 1.599 | 27.100P | 2171 | 2171 | 1446.1C | 193 | 23 | 6110 |
| 1610 | 26.3 | 26.5C | 1.580P | 1.579 | 27.120P | 2172 | 2172 | 1446.1C | 200 | 25 | 6093 |
| 1610 | 27.5 | 27.7C | 1.460P | 1.459 | 27.370P | 2193 | 2193 | 1445.9C | 208 | 27 | 5896 |
| 1610 | 29.0 | 29.2C | 1.170P | 1.169 | 27.430P | 2199 | 2199 | 1444.7C | 216 | 30 | 5837 |
| 1610 | 40.0 | 40.3C | 0.930P | 0.929 | 27.610P | 2215 | 2215 | 1444.0C | 280 | 52 | 5687 |
| 1610 | 41.9 | 42.2C | 0.880P | 0.879 | 27.610P | 2215 | 2215 | 1443.8C | 291 | 57 | 5685 |
| 1610 | 50.0 | 50.4C | 0.800P | 0.798 | 27.690P | 2222 | 2222 | 1443.7C | 338 | 79 | 5620 |
| 1610 | 58.7 | 59.2C | 0.770P | 0.768 | 28.000P | 2247 | 2247 | 1444.1C | 386 | 106 | 5380 |
| 1610 | 63.0 | 63.5C | 0.240P | 0.238 | 28.330P | 2275 | 2275 | 1442.2C | 409 | 120 | 5106 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 774D |
| 8.3 | 8.4C | 760D |
| 10.0 | 10.1C | |
| 14.0 | 14.1C | |
| 15.0 | 15.1C | |
| 16.7 | 16.8C | 760D |
| 20.0 | 20.2C | |
| 22.0 | 22.2C | |
| 25.1 | 25.3C | 760D |
| 26.3 | 26.5C | |
| 27.5 | 27.7C | |
| 29.0 | 29.2C | |
| 40.0 | 40.3C | |
| 41.9 | 42.2C | 760D |
| 50.0 | 50.4C | |
| 58.7 | 59.2C | 760D |
| 63.0 | 63.5C | |

CRUISE NUMBER 72001 STATION NUMBER 020

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | SEDA | CHI | SWA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0 | 5.570 | 5.570 | 24.220 | 1913 | 1913 | 1459.2 | 0 | 0 | 8080 |
| | 10.0 | 1 | 5.310 | 5.309 | 24.590 | 1945 | 1945 | 1458.7 | 86 | 4 | 8280 |
| | 20.0 | 2 | 2.400 | 2.399 | 26.880 | 2149 | 2149 | 1449.3 | 161 | 18 | 8320 |
| | 30.0 | 30.2A | 1.099F | 1.098 | 27.446W | 2204 | 2204 | 1444.5B | 222 | 32 | 8392 |
| | 50.0 | 50.4 | 0.800 | 0.798 | 27.690 | 2222 | 2222 | 1443.7 | 338 | 38 | 8420 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0 | 0.0 | 774 |
| 10 | 10.1 | 759A |
| 20 | 20.2 | 760A |
| 30 | 30.2A | 760A |
| 50 | 50.4 | 760W |

CRUISE NUMBER 72001 STATION NUMBER 021

| | | | | | | | | | | | | |
|-------|------|------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 | 2.20 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 150 | WW | 02 | COUM | 18 |
| LONG | W 80 | 0.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | | 73.7 | DAY | 30 | SWEL-D | 150 | AIR-TEM | 5.6 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 1744 | BARO | 1011.2 | WET-BLE | 5.8 | | | UNAS | BP 80 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1750 | 0.0 | 0.0C | 5.980P | 5.980 | 24.200P | 1908 | 1908 | 1460.8C | 0 | 0 | 8638 |
| 1750 | 8.1 | 8.2C | 5.830P | 5.829 | 24.210P | 1910 | 1910 | 1460.4C | 71 | 3 | 8616 |
| 1750 | 16.3 | 16.4C | 5.780P | 5.779 | 24.240P | 1913 | 1913 | 1460.3C | 141 | 12 | 8589 |
| 1750 | 19.5 | 19.7C | 5.580P | 5.579 | 24.240P | 1915 | 1915 | 1459.5C | 170 | 17 | 8570 |
| 1750 | 23.0 | 23.2C | 4.220P | 4.219 | 24.560P | 1952 | 1952 | 1454.2C | 199 | 23 | 8212 |
| 1750 | 24.5 | 24.7C | 3.500P | 3.499 | 25.960P | 2068 | 2068 | 1453.0C | 210 | 26 | 7094 |
| 1750 | 28.0 | 28.2C | 2.310P | 2.309 | 26.610P | 2128 | 2128 | 1448.7C | 234 | 33 | 6522 |
| 1750 | 33.0 | 33.3C | 1.230P | 1.229 | 27.330P | 2191 | 2191 | 1444.9C | 266 | 42 | 5916 |
| 1750 | 36.0 | 36.3C | 1.010P | 1.009 | 27.320P | 2191 | 2191 | 1443.9C | 284 | 49 | 5913 |
| 1750 | 40.9 | 41.2C | 0.740P | 0.739 | 27.810P | 2231 | 2231 | 1443.4C | 312 | 60 | 5526 |
| 1750 | 47.0 | 47.4C | 0.190P | 0.189 | 28.180P | 2263 | 2263 | 1441.5C | 345 | 75 | 5221 |
| 1750 | 54.0 | 54.5C | -0.220P | -0.220 | 28.790P | 2314 | 2314 | 1440.6C | 380 | 93 | 4739 |
| 1750 | 57.3 | 57.8C | -0.390P | -0.390 | 28.960P | 2328 | 2328 | 1440.0C | 396 | 102 | 4603 |
| 1750 | 59.0 | 59.5C | -0.400P | -0.400 | 28.980P | 2329 | 2329 | 1440.1C | 404 | 107 | 4587 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 760D |
| 8.1 | 8.2C | 760D |
| 16.3 | 16.4C | 747D |
| 19.5 | 19.7C | |
| 23.0 | 23.2C | |
| 24.5 | 24.7C | 747D |
| 28.0 | 28.2C | |
| 33.0 | 33.3C | |
| 36.0 | 36.3C | |
| 40.9 | 41.2C | 747D |
| 47.0 | 47.4C | |
| 54.0 | 54.5C | |
| 57.3 | 57.8C | 734D |
| 59.0 | 59.5C | |

CRUISE NUMBER 72001 STATION NUMBER 021

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.980 | 5.980 | 24.200 | 1908 | 1908 | 1460.8 | 0 | 0 | 8638 |
| | 10.0 | 10.1A | 5.843F | 5.842 | 24.218B | 1911 | 1911 | 1460.5A | 87 | 5 | 8611 |
| | 20.0 | 20.2A | 5.436E | 5.435 | 24.286W | 1909 | 1909 | 1458.8B | 174 | 18 | 8626 |
| | 30.0 | 30.2A | 1.781D | 1.780 | 26.898W | 2160 | 2160 | 1446.9A | 247 | 36 | 6220 |
| | 50.0 | 50.5A | 0.003D | 0.004 | 28.441W | 2286 | 2286 | 1441.1A | 360 | 83 | 5007 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 760 |
| 10.0 | 10.1A | 757A |
| 20.0 | 20.2A | 746A |
| 30.0 | 30.2A | 748A |
| 50.0 | 50.5A | 740W |

CRUISE NUMBER 72001 STATION NUMBER 022

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 | 2.70 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 140 | WW | 02 | COUN | 18 |
| LONG | W 79 | 38.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | | 43.0 | DAY | 30 | SWEL-D | 140 | AIR-TEM | 7.8 | | | RESTR | |
| HAUSD | SQ | 188 | H/M | 1924 | BARC | 1011.5 | WET-BLE | 6.4 | | | UNAS | BP 50 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | EVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 1930 | 0.0 | 0.0C | 7.010P | 7.010 | 22.360P | 1753 | 1753 | 1462.7C | 0 | 0 | 10133 |
| 1930 | 8.1 | 8.2C | 6.940P | 6.939 | 22.370P | 1754 | 1754 | 1462.6C | 83 | 3 | 10118 |
| 1930 | 12.0 | 12.1C | 6.890P | 6.889 | 22.400P | 1757 | 1757 | 1462.4C | 122 | 8 | 10090 |
| 1930 | 13.0 | 13.1C | 6.770P | 6.769 | 22.800P | 1790 | 1790 | 1462.5C | 132 | 9 | 9775 |
| 1930 | 13.5 | 13.6C | 6.610P | 6.609 | 23.420P | 1840 | 1840 | 1462.6C | 137 | 9 | 9290 |
| 1930 | 15.0 | 15.1C | 5.930P | 5.929 | 23.580P | 1859 | 1859 | 1460.1C | 151 | 11 | 9102 |
| 1930 | 16.3 | 16.4C | 5.940P | 5.939 | 23.620P | 1862 | 1862 | 1460.2C | 163 | 13 | 9073 |
| 1930 | 19.0 | 19.2C | 5.920P | 5.919 | 23.980P | 1891 | 1891 | 1460.6C | 188 | 18 | 8799 |
| 1930 | 19.7 | 19.9C | 5.830P | 5.829 | 24.600P | 1941 | 1941 | 1461.1C | 194 | 19 | 8321 |
| 1930 | 23.0 | 23.2C | 4.380P | 4.379 | 24.790P | 1969 | 1969 | 1455.2C | 221 | 25 | 8050 |
| 1930 | 24.5 | 24.7C | 4.230P | 4.229 | 24.810P | 1971 | 1971 | 1454.6C | 233 | 28 | 8023 |
| 1930 | 27.2 | 27.4C | 4.200P | 4.198 | 25.000P | 1987 | 1987 | 1454.8C | 254 | 34 | 7876 |
| 1930 | 28.0 | 28.2C | 3.560P | 3.559 | 25.070P | 1997 | 1997 | 1452.1C | 261 | 35 | 7776 |
| 1930 | 29.0 | 29.2C | 2.640P | 2.639 | 25.190P | 2013 | 2013 | 1448.3C | 268 | 38 | 7625 |
| 1930 | 32.7 | 33.0C | 2.370P | 2.369 | 25.740P | 2058 | 2058 | 1447.9C | 296 | 47 | 7189 |
| 1930 | 35.0 | 35.3C | 2.330P | 2.328 | 26.200P | 2095 | 2095 | 1448.3C | 313 | 52 | 6836 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 760D |
| 8.1 | 8.2C | 760D |
| 12.0 | 12.1C | |
| 13.0 | 13.1C | |
| 13.5 | 13.6C | |
| 15.0 | 15.1C | |
| 16.3 | 16.4C | 760D |
| 19.0 | 19.2C | |
| 19.7 | 19.9C | |
| 23.0 | 23.2C | |
| 24.5 | 24.7C | 760D |
| 27.2 | 27.4C | |
| 28.0 | 28.2C | |
| 29.0 | 29.2C | |
| 32.7 | 33.0C | 740D |
| 35.0 | 35.3C | |

CRUISE NUMBER 72001 STATION NUMBER 022

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 7.010 | 7.010 | 22.360 | 1753 | 1753 | 1462.7 | 0 | 0 | 10133 |
| | 10.0 | 10.1A | 6.958F | 6.957 | 22.385W | 1743 | 1743 | 1462.5A | 102 | 5 | 10225 |
| | 20.0 | 20.2A | 5.701F | 5.700 | 24.617W | 1951 | 1951 | 1460.7C | 197 | 19 | 8223 |
| | 30.0 | 30.2A | 2.567W | 2.310 | 25.319C | 2025 | 2025 | 1447.1D | 275 | 41 | 7506 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 760 |
| 10.0 | 10.1A | 760A |
| 20.0 | 20.2A | 761A |
| 30.0 | 30.2A | 747W |

CRUISE NUMBER 72001

STATION NUMBER 023

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1964 | WAVE-P/H | 0503 | WIND-DIR | 100 | WW | 02 | COUN | 18 |
| LONG | W 79 37.00 | MONTH | 8 | SWEL-P/H | 0603 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 48.1 | DAY | 30 | SWEL-D | 120 | AIR-TEM | 8.5 | | | RESTR | |
| MARSD SQ | 188 | H/M | 2110 | BARO | 1011.5 | WET-BLB | 7.3 | | | UNAS BP | 60 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 2115 | 0.0 | 0.0C | 6.890P | 6.890 | 21.880P | 1716 | 1716 | 1461.6C | 0 | 0 | 10484 |
| 2115 | 6.0 | 6.0C | 6.800P | 6.800 | 22.030P | 1729 | 1729 | 1461.5C | 63 | 2 | 10361 |
| 2115 | 9.0 | 9.1C | 6.700P | 6.699 | 22.390P | 1758 | 1758 | 1461.6C | 94 | 4 | 10078 |
| 2115 | 13.0 | 13.1C | 6.460P | 6.459 | 23.180P | 1823 | 1823 | 1461.7C | 133 | 9 | 9457 |
| 2115 | 18.1 | 18.2C | 6.340P | 6.339 | 23.460P | 1846 | 1846 | 1461.7C | 181 | 16 | 9233 |
| 2115 | 20.5 | 20.7C | 6.270P | 6.268 | 23.600P | 1858 | 1858 | 1461.6C | 204 | 21 | 9120 |
| 2115 | 27.1 | 27.3C | 6.430P | 6.428 | 24.020P | 1899 | 1899 | 1458.7C | 263 | 35 | 8723 |
| 2115 | 29.5 | 29.7C | 6.130P | 6.128 | 24.360P | 1928 | 1928 | 1458.0C | 283 | 41 | 8438 |
| 2115 | 31.0 | 31.3C | 4.780P | 4.778 | 24.820P | 1968 | 1968 | 1457.1C | 297 | 45 | 8059 |
| 2115 | 36.2 | 36.5C | 3.180P | 3.178 | 25.800P | 2058 | 2058 | 1451.6C | 336 | 59 | 7193 |
| 2115 | 39.0 | 39.3C | 2.610P | 2.608 | 26.200P | 2093 | 2093 | 1449.7C | 356 | 67 | 6852 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 754D |
| 6.0 | 6.0C | |
| 9.0 | 9.1C | 734D |
| 13.0 | 13.1C | |
| 18.1 | 18.2C | 734D |
| 20.5 | 20.7C | |
| 27.1 | 27.3C | 734D |
| 29.5 | 29.7C | |
| 31.0 | 31.3C | |
| 36.2 | 36.5C | 740D |
| 39.0 | 39.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0C | 6.890 | 6.890 | 21.880 | 1716 | 1716 | 1461.6 | 0 | 0 | 10484 |
| | 10.0 | 10.2A | 6.640D | 6.639 | 22.588W | 1775 | 1775 | 1461.6A | 104 | 5 | 9917 |
| | 20.0 | 20.7A | 6.290C | 6.288 | 23.570A | 1855 | 1855 | 1461.6A | 199 | 20 | 9144 |
| | 30.0 | 30.2A | 5.023C | 5.021 | 24.507D | 1941 | 1941 | 1457.7A | 288 | 42 | 8317 |

CRUISE NUMBER 72001

STATION NUMBER 023

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 754 |
| 10.0 | 10.1A | 734A |
| 20.0 | 20.2A | 734A |
| 30.0 | 30.2A | 736W |

CRUISE NUMBER 72001 STATION NUMBER 024

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0402 | WIND-DIR | 090 | WW | 02 | COUN | 18 |
| LONG | W 79 22.00 | MONTH | 8 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 41.1 | DAY | 30 | SWEL-D | 090 | AIR-TEM | 9.2 | | | RESTD | |
| MARSD SQ | 188 | H/M | 2230 | BARO | 1011.8 | WET-BLB | 7.5 | | | UNAS BP | 45 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 2250 | 0.0 | 0.0C | 7.370P | 7.370 | 19.590P | 1532 | 1532 | 1460.6C | 0 | 0 | 12267 |
| 2250 | 4.0 | 4.0C | 7.230P | 7.230 | 19.850P | 1554 | 1554 | 1460.5C | 49 | 1 | 12056 |
| 2250 | 5.0 | 5.0C | 7.000P | 7.000 | 21.490P | 1685 | 1685 | 1461.6C | 60 | 2 | 10790 |
| 2250 | 6.0 | 6.0C | 6.630P | 6.630 | 22.600P | 1775 | 1775 | 1461.5C | 70 | 2 | 9912 |
| 2250 | 7.0 | 7.1C | 6.390P | 6.389 | 22.840P | 1797 | 1797 | 1460.9C | 81 | 3 | 9707 |
| 2250 | 8.6 | 8.7C | 6.160P | 6.159 | 23.120P | 1821 | 1821 | 1460.3C | 96 | 4 | 9473 |
| 2250 | 17.3 | 17.4C | 5.350P | 5.349 | 23.840P | 1885 | 1885 | 1458.0C | 176 | 15 | 8852 |
| 2250 | 21.0 | 21.2C | 4.820P | 4.819 | 24.280P | 1925 | 1925 | 1456.4C | 209 | 21 | 8473 |
| 2250 | 25.9 | 26.1C | 3.890P | 3.889 | 25.010P | 1990 | 1990 | 1453.5C | 249 | 31 | 7845 |
| 2250 | 31.0 | 31.3C | 3.120P | 3.118 | 25.510P | 2035 | 2035 | 1450.9C | 289 | 42 | 7411 |
| 2250 | 34.6 | 34.9C | 2.710P | 2.708 | 25.920P | 2070 | 2070 | 1449.7C | 315 | 51 | 7072 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 734D |
| 4.0 | 4.0C | |
| 5.0 | 5.0C | |
| 6.0 | 6.0C | |
| 7.0 | 7.1C | |
| 8.6 | 8.7C | 736D |
| 17.3 | 17.4C | 747D |
| 21.0 | 21.2C | |
| 25.9 | 26.1C | 744D |
| 31.0 | 31.3C | |
| 34.6 | 34.9C | 740D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 7.370 | 7.370 | 19.590 | 1532 | 1532 | 1460.6 | 0 | 0 | 12267 |
| | 10.0 | 10.1A | 6.011F | 6.010 | 23.236W | 1835 | 1835 | 1459.9B | 109 | 5 | 9342 |
| | 20.0 | 20.2A | 4.976B | 4.975 | 24.152A | 1913 | 1913 | 1456.9A | 200 | 19 | 8583 |
| | 30.0 | 30.3A | 3.254A | 3.252 | 25.419D | 2027 | 2027 | 1451.4A | 281 | 40 | 7489 |

CRUISE NUMBER 72001

STATION NUMBER 024

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 734 |
| 10.0 | 10.1A | 738A |
| 20.0 | 20.2A | 747A |
| 30.0 | 30.3A | 742W |

CRUISE NUMBER 72001 STATION NUMBER 025

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 240 | WW | 03 | COUN | 18 |
| LONG W | 79 36.00 | MONTH | 9 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 6 | INST | 07 |
| DEPTH | 48.0 | DAY | 14 | SWEL-D | 240 | AIR-TEM | 8.3 | | | RESTR | |
| MARSD SQ | 188 | H/M | 1815 | BARO | 1006.8 | WET-BLB | 7.0 | | | UNAS BP | 60 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1820 | 0.0 | 0.0C | 6.420P | 6.420 | 24.170P | 1901 | 1901 | 1462.6C | 0 | 0 | 8704 |
| 1820 | 8.4 | 8.5C | 6.400P | 6.399 | 24.190P | 1902 | 1903 | 1462.7C | 74 | 3 | 8687 |
| 1820 | 16.9 | 17.0C | 6.290P | 6.289 | 24.190P | 1904 | 1904 | 1462.4C | 148 | 13 | 8676 |
| 1820 | 19.0 | 19.2C | 6.170P | 6.169 | 24.350P | 1917 | 1917 | 1462.1C | 167 | 16 | 8543 |
| 1820 | 23.0 | 23.2C | 5.470P | 5.468 | 24.990P | 1975 | 1975 | 1460.1C | 200 | 23 | 7992 |
| 1820 | 25.4 | 25.6C | 5.080P | 5.078 | 25.170P | 1993 | 1993 | 1458.7C | 219 | 28 | 7820 |
| 1820 | 30.0 | 30.2C | 4.810P | 4.808 | 25.280P | 2004 | 2004 | 1457.8C | 255 | 38 | 7713 |
| 1820 | 33.9 | 34.2C | 4.780P | 4.778 | 25.340P | 2009 | 2009 | 1457.8C | 285 | 48 | 7665 |
| 1820 | 37.0 | 37.3C | 4.680P | 4.678 | 25.370P | 2012 | 2012 | 1457.5C | 309 | 57 | 7634 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 743D |
| 8.4 | 8.5C | 736D |
| 16.9 | 17.0C | 736D |
| 19.0 | 19.2C | |
| 23.0 | 23.2C | |
| 25.4 | 25.6C | 736D |
| 30.0 | 30.2C | |
| 33.9 | 34.2C | 743D |
| 37.0 | 37.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 6.420 | 6.420 | 24.170 | 1901 | 1901 | 1462.6 | 0 | 0 | 8704 |
| | 10.0 | 10.1A | 6.406E | 6.405 | 24.190W | 1899 | 1900 | 1462.7A | 88 | 4 | 8717 |
| | 20.0 | 20.2A | 6.021F | 6.020 | 24.510W | 1931 | 1931 | 1461.7A | 176 | 18 | 8408 |
| | 30.0 | 30.2 | 4.810 | 4.808 | 25.280 | 2004 | 2004 | 1457.8 | 255 | 38 | 7713 |

CRUISE NUMBER 72001

STATION NUMBER 025

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 743 |
| 10.0 | 10.1A | 736A |
| 20.0 | 20.2A | 736A |
| 30.0 | 30.2 | 740W |

CRUISE NUMBER 72001 STATION NUMBER 026

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 220 | WW | 02 | COUN | 18 |
| LONG | W 80 1.00 | MONTH | 9 | SWEL-P/H | 0502 | WIND-SPD | 06 | CLD-A | 8 | INST | 07 |
| DEPTH | 50.0 | DAY | 14 | SWEL-D | 240 | AIR-TEM | 6.2 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2042 | BARO | 1006.2 | WET-BLB | 5.2 | | | UNAS | BP100 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SWA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2050 | 0.0 | 0.0C | 6.200P | 6.200 | 25.470P | 2005 | 2005 | 1463.4C | 0 | 0 | 7700 |
| 2050 | 9.6 | 9.7C | 6.120P | 6.119 | 25.490P | 2007 | 2007 | 1463.2C | 75 | 4 | 7677 |
| 2050 | 15.0 | 15.1C | 5.860P | 5.859 | 25.640P | 2022 | 2022 | 1462.4C | 116 | 9 | 7538 |
| 2050 | 17.0 | 17.1C | 5.640P | 5.639 | 25.740P | 2032 | 2032 | 1461.7C | 131 | 11 | 7441 |
| 2050 | 19.2 | 19.4C | 5.590P | 5.589 | 25.790P | 2037 | 2037 | 1461.6C | 148 | 15 | 7398 |
| 2050 | 24.0 | 24.2C | 4.800P | 4.798 | 26.270P | 2082 | 2082 | 1459.0C | 182 | 22 | 6963 |
| 2050 | 26.0 | 26.2C | 4.300P | 4.298 | 26.510P | 2105 | 2105 | 1457.2C | 196 | 26 | 6738 |
| 2050 | 27.6 | 27.8C | 3.010P | 3.009 | 26.920P | 2148 | 2148 | 1452.2C | 206 | 29 | 6330 |
| 2050 | 28.8 | 29.0C | 2.590P | 2.589 | 27.200P | 2173 | 2173 | 1450.7C | 214 | 31 | 6089 |
| 2050 | 34.0 | 34.3C | 1.660P | 1.659 | 27.800P | 2226 | 2226 | 1447.5C | 245 | 41 | 5577 |
| 2050 | 38.0 | 38.3C | 1.250P | 1.249 | 28.090P | 2252 | 2252 | 1446.1C | 266 | 49 | 5335 |
| 2050 | 48.0 | 48.4C | 0.800P | 0.798 | 28.610P | 2295 | 2295 | 1444.9C | 318 | 71 | 4916 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 760D |
| 9.6 | 9.7C | 740D |
| 15.0 | 15.1C | |
| 17.0 | 17.1C | |
| 19.2 | 19.4C | 747D |
| 24.0 | 24.2C | |
| 26.0 | 26.2C | |
| 27.6 | 27.8C | |
| 28.8 | 29.0C | 754D |
| 34.0 | 34.3C | |
| 38.0 | 38.3C | |
| 48.0 | 48.4C | 740D |

CRUISE NUMBER 72001 STATION NUMBER 026

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 6.200 | 6.200 | 25.470 | 2005 | 2005 | 1463.4 | 0 | 0 | 7700 |
| | 10.0 | 10.1A | 6.112C | 6.111 | 25.496A | 2008 | 2008 | 1463.2A | 78 | 4 | 7671 |
| | 20.0 | 20.2A | 5.511D | 5.510 | 25.848D | 2042 | 2042 | 1461.4A | 154 | 16 | 7347 |
| | 30.0 | 30.2A | 2.291F | 2.290 | 27.338W | 2190 | 2190 | 1449.7B | 222 | 33 | 5923 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 760 |
| 10.0 | 10.1A | 740A |
| 20.0 | 20.2A | 748A |
| 30.0 | 30.2A | 753W |

CRUISE NUMBER 72001 STATION NUMBER 027

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 49.30 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 170 | WW | 50 | COUN | 18 |
| LONG | W 80 0.30 | MONTH | 9 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 59.4 | DAY | 14 | SWEL-D | 220 | AIR-TEM | 5.2 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2215 | BARO | 1004.9 | WET-BLB | 5.0 | | | UNAS BP | 80 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2215 | 0.0 | 0.0C | 5.820P | 5.820 | 25.310P | 1996 | 1996 | 1461.6C | 0 | 0 | 7783 |
| 2215 | 8.6 | 8.7C | 5.910P | 5.909 | 25.410P | 2003 | 2003 | 1462.3C | 67 | 3 | 7717 |
| 2215 | 12.0 | 12.1C | 5.800P | 5.799 | 25.490P | 2011 | 2011 | 1462.0C | 94 | 6 | 7645 |
| 2215 | 13.5 | 13.6C | 5.550P | 5.549 | 25.460P | 2011 | 2011 | 1460.9C | 105 | 7 | 7644 |
| 2215 | 15.0 | 15.1C | 4.860P | 4.859 | 26.270P | 2081 | 2081 | 1459.1C | 116 | 9 | 6968 |
| 2215 | 16.5 | 16.6C | 3.780P | 3.779 | 26.470P | 2106 | 2106 | 1454.8C | 126 | 11 | 6728 |
| 2215 | 17.3 | 17.4C | 3.660P | 3.659 | 26.570P | 2115 | 2115 | 1454.4C | 132 | 11 | 6643 |
| 2215 | 22.0 | 22.2C | 3.570P | 3.569 | 26.750P | 2130 | 2130 | 1454.3C | 163 | 18 | 6499 |
| 2215 | 25.9 | 26.1C | 2.970P | 2.959 | 27.030P | 2157 | 2157 | 1452.1C | 188 | 24 | 6243 |
| 2215 | 28.0 | 28.2C | 2.400P | 2.399 | 27.320P | 2184 | 2184 | 1450.0C | 201 | 27 | 5986 |
| 2215 | 29.0 | 29.2C | 2.000P | 1.999 | 27.420P | 2194 | 2194 | 1448.4C | 207 | 29 | 5886 |
| 2215 | 32.0 | 32.3C | 1.950P | 1.949 | 27.790P | 2224 | 2224 | 1448.7C | 225 | 35 | 5601 |
| 2215 | 36.5 | 36.8C | 1.360P | 1.359 | 28.370P | 2273 | 2273 | 1446.9C | 249 | 43 | 5126 |
| 2215 | 38.0 | 38.3C | 0.840P | 0.839 | 28.570P | 2292 | 2292 | 1444.9C | 256 | 46 | 4949 |
| 2215 | 43.3 | 43.7C | 0.680P | 0.679 | 28.790P | 2310 | 2310 | 1444.5C | 282 | 57 | 4773 |
| 2215 | 51.0 | 51.4C | 0.390P | 0.388 | 29.010P | 2329 | 2329 | 1443.6C | 318 | 75 | 4592 |
| 2215 | 52.0 | 52.4C | 0.370P | 0.368 | 29.030P | 2331 | 2331 | 1443.6C | 323 | 77 | 4576 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 745D |
| 8.6 | 8.7C | 738D |
| 12.0 | 12.1C | |
| 13.5 | 13.6C | |
| 15.0 | 15.1C | |
| 16.5 | 16.6C | |
| 17.3 | 17.4C | 738D |
| 22.0 | 22.2C | |
| 25.9 | 26.1C | 725D |
| 28.0 | 28.2C | |
| 29.0 | 29.2C | |
| 32.0 | 32.3C | |
| 36.5 | 36.8C | |
| 38.0 | 38.3C | |
| 43.3 | 43.7C | 704D |
| 51.0 | 51.4C | 725D |
| 52.0 | 52.4C | |

CRUISE NUMBER 72001 STATION NUMBER 027

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.820 | 5.820 | 25.310 | 1996 | 1996 | 1461.6 | 0 | 0 | 7783 |
| | 10.0 | 10.1A | 5.908F | 5.907 | 25.454D | 2007 | 2007 | 1462.4B | 78 | 4 | 7683 |
| | 20.0 | 20.2A | 3.608W | 3.456 | 26.673W | 2127 | 2127 | 1453.7D | 150 | 15 | 6529 |
| | 30.0 | 30.2A | 1.903G | 1.902 | 27.537C | 2204 | 2204 | 1448.1C | 213 | 31 | 5791 |
| | 50.0 | 50.4W | 0.428W | 0.426 | 28.981W | 2327 | 2327 | 1443.7W | 313 | 73 | 4616 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 745 |
| 10.0 | 10.1A | 738A |
| 20.0 | 20.2A | 735A |
| 30.0 | 30.2A | 715C |
| 50.0 | 50.4W | 722W |

CRUISE NUMBER 72001 STATION NUMBER 028

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0405 | WIND-DIR | 240 | WW | 02 | COUN | 18 |
| LONG | W 79 21.00 | MONTH | 9 | SWEL-P/H | 0502 | WIND-SPD | 11 | CLD-A | 8 | INST | 07 |
| DEPTH | 37.2 | DAY | 16 | SWEL-D | 220 | AIR-TEM | 8.0 | | | RESTR | |
| MARSD SQ | 188 | H/M | 1545 | BARO | 1004.3 | WET-BLB | 6.5 | | | UNAS BP | 40 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 1600 | 0.0 | 0.0C | 6.790P | 6.790 | 20.380P | 1600 | 1600 | 1459.3C | 0 | 0 | 11610 |
| 1600 | 6.0 | 6.0C | 6.800P | 6.800 | 20.500P | 1609 | 1609 | 1459.6C | 69 | 2 | 11520 |
| 1600 | 7.0 | 7.1C | 6.800P | 6.799 | 20.780P | 1631 | 1631 | 1459.9C | 82 | 3 | 11308 |
| 1600 | 8.0 | 8.1C | 6.790P | 6.789 | 21.630P | 1698 | 1698 | 1461.0C | 93 | 4 | 10663 |
| 1600 | 8.7 | 8.8C | 6.770P | 6.769 | 22.820P | 1791 | 1791 | 1462.4C | 100 | 4 | 9760 |
| 1600 | 11.0 | 11.1C | 6.600P | 6.599 | 23.190P | 1822 | 1822 | 1462.3C | 122 | 7 | 9463 |
| 1600 | 16.1 | 16.2C | 6.410P | 6.409 | 23.430P | 1843 | 1843 | 1461.9C | 170 | 13 | 9262 |
| 1600 | 20.0 | 20.2C | 6.310P | 6.309 | 23.770P | 1870 | 1870 | 1462.0C | 206 | 20 | 8995 |
| 1600 | 24.2 | 24.4C | 6.160P | 6.158 | 24.020P | 1892 | 1892 | 1461.7C | 244 | 29 | 8792 |
| 1600 | 25.0 | 25.2C | 6.130P | 6.128 | 24.090P | 1897 | 1897 | 1461.7C | 251 | 30 | 8736 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 763D |
| 6.0 | 6.0C | |
| 7.0 | 7.1C | |
| 8.0 | 8.1C | 756D |
| 8.7 | 8.8C | |
| 11.0 | 11.1C | |
| 16.1 | 16.2C | 747D |
| 20.0 | 20.2C | |
| 24.2 | 24.4C | 749D |
| 25.0 | 25.2C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 6.790 | 6.790 | 20.380 | 1600 | 1600 | 1459.3 | 0 | 0 | 11610 |
| | 10.0 | 10.1A | 6.681D | 6.680 | 23.029W | 1835 | 1835 | 1462.8C | 113 | 5 | 9333 |
| | 20.0 | 20.2 | 6.310 | 6.309 | 23.770 | 1870 | 1870 | 1462.0 | 206 | 20 | 8995 |

CRUISE NUMBER 72001

STATION NUMBER 028

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 763 |
| 10.0 | 10.1A | 753A |
| 20.0 | 20.2 | 748W |

CRUISE NUMBER 72001

STATION NUMBER 029

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 49.00 | YEAR | 1972 | WAVE-P/H | 0504 | WIND-DIR | 210 | MW | 02 | COUN | 18 |
| LONG | W 79 37.00 | MONTH | 9 | SWEL-P/H | 0504 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 41.2 | DAY | 16 | SWEL-D | 210 | AIR-TEM | 9.4 | | | RESTR | |
| MARSD | SQ 188 | H/M | 1712 | BARO | 1003.5 | WET-BLB | 4.8 | | | UNAS | BP 60 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1720 | 0.0 | 0.0C | 6.390P | 6.390 | 23.940P | 1883 | 1883 | 1462.2C | 0 | 0 | 8875 |
| 1720 | 8.4 | 8.5C | 6.320P | 6.319 | 23.990P | 1888 | 1888 | 1462.1C | 75 | 3 | 8830 |
| 1720 | 16.9 | 17.0C | 6.260P | 6.259 | 24.010P | 1890 | 1890 | 1462.0C | 150 | 13 | 8809 |
| 1720 | 23.0 | 23.2C | 6.170P | 6.168 | 24.200P | 1906 | 1906 | 1462.0C | 205 | 24 | 8657 |
| 1720 | 25.4 | 25.6C | 5.930P | 5.928 | 24.440P | 1927 | 1927 | 1461.4C | 225 | 29 | 8452 |
| 1720 | 30.0 | 30.2C | 5.400P | 5.398 | 25.010P | 1977 | 1977 | 1460.0C | 263 | 40 | 7970 |
| 1720 | 33.9 | 34.2C | 4.440P | 4.438 | 25.660P | 2037 | 2037 | 1456.8C | 294 | 50 | 7394 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 741D |
| 8.4 | 8.5C | 741D |
| 16.9 | 17.0C | 741D |
| 23.0 | 23.2C | |
| 25.4 | 25.6C | 756D |
| 30.0 | 30.2C | |
| 33.9 | 34.2C | 741D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 6.390 | 6.390 | 23.940 | 1883 | 1883 | 1462.2 | 0 | 0 | 8875 |
| | 10.0 | 10.1A | 6.311C | 6.310 | 23.984D | 1888 | 1888 | 1462.1A | 89 | 4 | 8834 |
| | 20.0 | 20.2A | 6.263F | 6.262 | 24.107W | 1894 | 1894 | 1462.1A | 178 | 18 | 8772 |
| | 30.0 | 30.2 | 5.400 | 5.398 | 25.010 | 1977 | 1977 | 1460.0 | 263 | 40 | 7970 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 741 |
| 10.0 | 10.1A | 740A |
| 20.0 | 20.2A | 747B |
| 30.0 | 30.2 | 748W |

CRUISE NUMBER 72001 STATION NUMBER 030

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 | 2.60 | YEAR | 1972 | WAVE-P/H | 0504 | WIND-DIR | 220 | WW | 02 | COUN | 18 |
| LONG | W 79 | 38.00 | MONTH | 9 | SWEL-P/H | 0504 | WIND-SPD | 11 | CLD-A | 8 | INST | 07 |
| DEPTH | | 35.1 | DAY | 16 | SWEL-D | 220 | AIR-TEM | 9.4 | | | RESTR | |
| MARSD | SQ | 188 | H/M | 1854 | BARO | 1002.2 | WET-BLB | 4.9 | | | UNAS | BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 1855 | 0.0 | 0.0C | 6.590P | 6.590 | 22.000P | 1729 | 1729 | 1460.5C | 0 | 0 | 10363 |
| 1855 | 7.1 | 7.2C | 6.520P | 6.519 | 22.030P | 1732 | 1732 | 1460.4C | 75 | 3 | 10333 |
| 1855 | 10.0 | 10.1C | 6.410P | 6.409 | 22.190P | 1746 | 1746 | 1460.2C | 104 | 5 | 10201 |
| 1855 | 11.0 | 11.1C | 6.410P | 6.409 | 22.710P | 1786 | 1786 | 1460.9C | 114 | 6 | 9807 |
| 1855 | 13.0 | 13.1C | 6.400P | 6.399 | 23.170P | 1822 | 1822 | 1461.4C | 133 | 9 | 9458 |
| 1855 | 14.3 | 14.4C | 6.330P | 6.329 | 23.250P | 1829 | 1829 | 1461.3C | 146 | 11 | 9391 |
| 1855 | 16.7 | 16.8C | 6.250P | 6.249 | 23.570P | 1855 | 1855 | 1461.4C | 168 | 14 | 9141 |
| 1855 | 17.5 | 17.6C | 5.920P | 5.919 | 24.400P | 1924 | 1924 | 1461.1C | 175 | 15 | 8481 |
| 1855 | 19.0 | 19.2C | 5.800P | 5.799 | 24.450P | 1929 | 1929 | 1460.7C | 189 | 18 | 8432 |
| 1855 | 21.6 | 21.8C | 5.770P | 5.768 | 24.430P | 1928 | 1928 | 1460.6C | 210 | 22 | 8444 |
| 1855 | 30.0 | 30.3C | 5.470P | 5.468 | 24.650P | 1948 | 1948 | 1459.8C | 281 | 41 | 8249 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 749D |
| 7.1 | 7.2C | 769D |
| 10.0 | 10.1C | |
| 11.0 | 11.1C | |
| 13.0 | 13.1C | |
| 14.3 | 14.4C | 769D |
| 16.7 | 16.8C | |
| 17.5 | 17.6C | |
| 19.0 | 19.2C | |
| 21.6 | 21.8C | 769D |
| 30.0 | 30.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 6.590 | 6.590 | 22.000 | 1729 | 1729 | 1460.5 | 0 | 0 | 10363 |
| | 10.0 | 10.1 | 6.410 | 6.409 | 22.190 | 1746 | 1746 | 1460.2 | 104 | 5 | 10201 |
| | 20.0 | 20.2A | 5.777E | 5.776 | 24.448D | 1929 | 1929 | 1460.6A | 197 | 20 | 8431 |
| | 30.0 | 30.3 | 5.470 | 5.468 | 24.650 | 1948 | 1948 | 1459.8 | 281 | 41 | 8249 |

CRUISE NUMBER 72001

STATION NUMBER 030

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 749 |
| 10.0 | 10.1 | 770A |
| 20.0 | 20.2A | 769W |

CRUISE NUMBER 72001

STATION NUMBER 031

| | | | | | | | | | | | | |
|-------|------|------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 | 3.00 | YEAR | 1972 | WAVE-P/H | 0504 | WIND-DIR | 190 | WW | 02 | COUN | 18 |
| LONG | W 80 | 0.00 | MONTH | 9 | SWEL-P/H | 0504 | WIND-SPD | 09 | CLD-A | 8 | INST | 07 |
| DEPTH | 65.2 | | DAY | 16 | SWEL-D | 220 | AIR-TEM | 5.8 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 2025 | BARO | 1000.9 | WET-BLB | 5.0 | | | UNAS | BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2030 | 0.0 | 0.0C | 5.600P | 5.600 | 24.590P | 1942 | 1942 | 1459.8C | 0 | 0 | 8307 |
| 2030 | 3.0 | 3.0C | 5.610P | 5.610 | 24.630P | 1945 | 1945 | 1459.9C | 25 | 0 | 8278 |
| 2030 | 5.5 | 5.5C | 5.590P | 5.590 | 24.610P | 1944 | 1944 | 1459.8C | 46 | 1 | 8291 |
| 2030 | 8.3 | 8.4C | 5.540P | 5.539 | 24.760P | 1956 | 1956 | 1459.9C | 69 | 3 | 8173 |
| 2030 | 13.0 | 13.1C | 5.400P | 5.399 | 24.990P | 1975 | 1975 | 1459.7C | 107 | 7 | 7986 |
| 2030 | 16.7 | 16.8C | 5.330P | 5.329 | 25.200P | 1993 | 1993 | 1459.7C | 137 | 12 | 7820 |
| 2030 | 20.0 | 20.2C | 5.030P | 5.029 | 25.680P | 2033 | 2033 | 1459.1C | 163 | 16 | 7430 |
| 2030 | 22.6 | 22.8C | 4.720P | 4.719 | 25.810P | 2046 | 2046 | 1458.0C | 182 | 21 | 7304 |
| 2030 | 23.3 | 23.5C | 4.660P | 4.659 | 26.610P | 2110 | 2110 | 1458.8C | 187 | 22 | 6693 |
| 2030 | 24.0 | 24.2C | 2.920P | 2.919 | 27.000P | 2155 | 2155 | 1451.8C | 191 | 23 | 6263 |
| 2030 | 24.5 | 24.7C | 2.760P | 2.759 | 27.140P | 2167 | 2167 | 1451.3C | 194 | 24 | 6146 |
| 2030 | 25.1 | 25.3C | 2.770P | 2.769 | 27.180P | 2170 | 2170 | 1451.4C | 198 | 25 | 6116 |
| 2030 | 31.0 | 31.3C | 2.400P | 2.399 | 27.390P | 2189 | 2189 | 1450.2C | 234 | 35 | 5932 |
| 2030 | 34.0 | 34.3C | 2.190P | 2.188 | 27.610P | 2208 | 2208 | 1449.6C | 252 | 41 | 5752 |
| 2030 | 40.0 | 40.3C | 1.580P | 1.578 | 28.140P | 2254 | 2254 | 1447.7C | 285 | 53 | 5313 |
| 2030 | 41.9 | 42.3C | 1.380P | 1.378 | 28.290P | 2267 | 2267 | 1447.0C | 295 | 58 | 5188 |
| 2030 | 46.0 | 46.4C | 0.860P | 0.858 | 28.800P | 2310 | 2310 | 1445.4C | 316 | 67 | 4773 |
| 2030 | 50.0 | 50.4C | 0.540P | 0.538 | 29.060P | 2332 | 2332 | 1444.4C | 334 | 76 | 4560 |
| 2030 | 54.0 | 54.5C | 0.380P | 0.378 | 29.370P | 2358 | 2358 | 1444.1C | 353 | 86 | 4316 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 756D |
| 3.0 | 3.0C | |
| 5.5 | 5.5C | |
| 8.3 | 8.4C | 769D |
| 13.0 | 13.1C | |
| 16.7 | 16.8C | 756D |
| 20.0 | 20.2C | |
| 22.6 | 22.8C | |
| 23.3 | 23.5C | |
| 24.0 | 24.2C | |
| 24.5 | 24.7C | |
| 25.1 | 25.3C | 769D |
| 31.0 | 31.3C | |
| 34.0 | 34.3C | |
| 40.0 | 40.3C | |
| 41.9 | 42.3C | 646D |
| 46.0 | 46.4C | |
| 50.0 | 50.4C | |
| 54.0 | 54.5C | |

CRUISE NUMBER 72001 STATION NUMBER 032

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|-------|----------|-----|-------|----|-------|------|
| LAT | N53 | 50.30 | YEAR | 1972 | WAVE-P/H | 0504 | WIND-DIR | 180 | WW | 02 | COUN | 18 |
| LONG | W 80 | 1.00 | MONTH | 9 | SWEL-P/H | 0504 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | | 63.0 | DAY | 16 | SWEL-D | 190 | AIR-TEM | 6.0 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 2207 | BARO | 999.6 | WET-BLB | 4.7 | | | UNAS | BN L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2210 | 0.0 | 0.0C | 5.280P | 5.280 | 25.320P | 2003 | 2003 | 1459.4C | 0 | 0 | 7725 |
| 2210 | 15.5 | 15.6C | 5.280P | 5.279 | 25.400P | 2009 | 2009 | 1459.7C | 120 | 10 | 7664 |
| 2210 | 18.5 | 18.7C | 5.100P | 5.099 | 25.690P | 2033 | 2033 | 1459.4C | 143 | 14 | 7428 |
| 2210 | 29.0 | 29.2C | 1.600P | 1.599 | 28.000P | 2243 | 2243 | 1447.4C | 211 | 30 | 5422 |
| 2210 | 30.0 | 30.2C | 1.590P | 1.589 | 28.030P | 2245 | 2245 | 1447.4C | 216 | 32 | 5398 |
| 2210 | 40.0 | 40.3C | 1.200P | 1.199 | 28.340P | 2272 | 2272 | 1446.2C | 270 | 51 | 5141 |
| 2210 | 50.0 | 50.4C | 0.780P | 0.778 | 28.780P | 2309 | 2309 | 1445.1C | 320 | 74 | 4785 |
| 2210 | 57.0 | 57.5C | 0.400P | 0.398 | 29.090P | 2335 | 2335 | 1443.9C | 353 | 92 | 4531 |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.280 | 5.280 | 25.320 | 2003 | 2003 | 1459.4 | 0 | 0 | 7725 |
| | 10.0 | 10.1W | 5.280W | 5.279 | 25.372W | 2007 | 2007 | 1459.6W | 77 | 6 | 7686 |
| | 20.0 | 20.2A | 4.600W | 4.642 | 26.020W | 2062 | 2062 | 1457.9D | 154 | 16 | 7146 |
| | 30.0 | 30.2 | 1.590 | 1.589 | 28.030 | 2245 | 2245 | 1447.4 | 216 | 32 | 5398 |
| | 50.0 | 50.4 | 0.780 | 0.778 | 28.780 | 2309 | 2309 | 1445.1 | 320 | 74 | 4785 |

DEPTH PRESS OXY

CRUISE NUMBER 72001 STATION NUMBER 033

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|-------|----------|-----|-------|----|-------|------|
| LAT | N53 | 50.00 | YEAR | 1972 | WAVE-P/H | 0507 | WIND-DIR | 360 | WW | 02 | COUN | 18 |
| LONG | W 80 | 33.00 | MONTH | 9 | SWEL-P/H | 0506 | WIND-SPD | 14 | CLD-A | 6 | INST | 07 |
| DEPTH | | 25.9 | DAY | 17 | SWEL-D | 330 | AIR-TEM | 4.5 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 1500 | BARO | 998.5 | WET-BLB | 3.8 | | | UNAS | BN L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVa |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1510 | 0.0 | 0.0C | 5.08 E | 5.080 | 26.291B | 2081 | 2081 | 1459.8C | 0 | 0 | 6972 |
| 1510 | 7.8 | 7.9C | 5.08 E | 5.079 | 26.287B | 2081 | 2081 | 1459.9C | 55 | 2 | 6975 |
| 1510 | 15.7 | 15.8C | 5.08 D | 5.079 | 26.286B | 2081 | 2081 | 1460.1C | 110 | 9 | 6976 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 763D |
| 7.8 | 7.9C | 769D |
| 15.7 | 15.8C | 756D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 10 | 10 | 10 |
| 20 | 20 | 20 |
| 30 | 30 | 30 |
| 40 | 40 | 40 |
| 50 | 50 | 50 |
| 60 | 60 | 60 |
| 70 | 70 | 70 |
| 80 | 80 | 80 |
| 90 | 90 | 90 |
| 100 | 100 | 100 |
| 110 | 110 | 110 |
| 120 | 120 | 120 |
| 130 | 130 | 130 |
| 140 | 140 | 140 |
| 150 | 150 | 150 |
| 160 | 160 | 160 |
| 170 | 170 | 170 |
| 180 | 180 | 180 |
| 190 | 190 | 190 |
| 200 | 200 | 200 |
| 210 | 210 | 210 |
| 220 | 220 | 220 |
| 230 | 230 | 230 |
| 240 | 240 | 240 |
| 250 | 250 | 250 |
| 260 | 260 | 260 |
| 270 | 270 | 270 |
| 280 | 280 | 280 |
| 290 | 290 | 290 |
| 300 | 300 | 300 |
| 310 | 310 | 310 |
| 320 | 320 | 320 |
| 330 | 330 | 330 |
| 340 | 340 | 340 |
| 350 | 350 | 350 |
| 360 | 360 | 360 |
| 370 | 370 | 370 |
| 380 | 380 | 380 |
| 390 | 390 | 390 |
| 400 | 400 | 400 |
| 410 | 410 | 410 |
| 420 | 420 | 420 |
| 430 | 430 | 430 |
| 440 | 440 | 440 |
| 450 | 450 | 450 |
| 460 | 460 | 460 |
| 470 | 470 | 470 |
| 480 | 480 | 480 |
| 490 | 490 | 490 |
| 500 | 500 | 500 |
| 510 | 510 | 510 |
| 520 | 520 | 520 |
| 530 | 530 | 530 |
| 540 | 540 | 540 |
| 550 | 550 | 550 |
| 560 | 560 | 560 |
| 570 | 570 | 570 |
| 580 | 580 | 580 |
| 590 | 590 | 590 |
| 600 | 600 | 600 |
| 610 | 610 | 610 |
| 620 | 620 | 620 |
| 630 | 630 | 630 |
| 640 | 640 | 640 |
| 650 | 650 | 650 |
| 660 | 660 | 660 |
| 670 | 670 | 670 |
| 680 | 680 | 680 |
| 690 | 690 | 690 |
| 700 | 700 | 700 |
| 710 | 710 | 710 |
| 720 | 720 | 720 |
| 730 | 730 | 730 |
| 740 | 740 | 740 |
| 750 | 750 | 750 |
| 760 | 760 | 760 |
| 770 | 770 | 770 |
| 780 | 780 | 780 |
| 790 | 790 | 790 |
| 800 | 800 | 800 |
| 810 | 810 | 810 |
| 820 | 820 | 820 |
| 830 | 830 | 830 |
| 840 | 840 | 840 |
| 850 | 850 | 850 |
| 860 | 860 | 860 |
| 870 | 870 | 870 |
| 880 | 880 | 880 |
| 890 | 890 | 890 |
| 900 | 900 | 900 |
| 910 | 910 | 910 |
| 920 | 920 | 920 |
| 930 | 930 | 930 |
| 940 | 940 | 940 |
| 950 | 950 | 950 |
| 960 | 960 | 960 |
| 970 | 970 | 970 |
| 980 | 980 | 980 |
| 990 | 990 | 990 |
| 1000 | 1000 | 1000 |

CRUISE NUMBER 72001 STATION NUMBER 034

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|-----------|----|
| LAT | N53 50.30 | YEAR | 1972 | WAVE-P/H | 0507 | WIND-DIR | 300 | WW | 01 | COUN | 18 |
| LONG | W 80 58.00 | MONTH | 9 | SWEL-P/H | 0506 | WIND-SPD | 10 | CLD-A | 5 | INST | 07 |
| DEPTH | 43.2 | DAY | 17 | SWEL-D | 330 | AIR-TEM | 5.2 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1714 | BARO | 1003.4 | WET-BLB | 4.5 | | | UNAS BN L | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1720 | 0.0 | 0.0C | 5.130P | 5.130 | 25.950P | 2054 | 2054 | 1459.6C | 0 | 0 | 7234 |
| 1720 | 10.0 | 10.1C | 5.140P | 5.139 | 25.970P | 2055 | 2055 | 1459.8C | 73 | 4 | 7220 |
| 1720 | 15.3 | 15.4C | 5.090P | 5.089 | 25.990P | 2057 | 2057 | 1459.7C | 111 | 9 | 7201 |
| 1720 | 19.0 | 19.2C | 4.940P | 4.939 | 26.190P | 2074 | 2074 | 1459.4C | 138 | 14 | 7036 |
| 1720 | 21.0 | 21.2C | 4.330P | 4.329 | 26.760P | 2125 | 2125 | 1457.6C | 152 | 16 | 6551 |
| 1720 | 22.9 | 23.1C | 3.170P | 3.169 | 27.280P | 2175 | 2175 | 1453.3C | 164 | 19 | 6067 |
| 1720 | 25.0 | 25.2C | 2.580P | 2.579 | 27.600P | 2205 | 2205 | 1451.2C | 176 | 22 | 5784 |
| 1720 | 30.6 | 30.9C | 1.950P | 1.949 | 27.66 E | 2214 | 2214 | 1448.6C | 209 | 31 | 5695 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 776D |
| 10.0 | 10.1C | 769D |
| 15.3 | 15.4C | 769D |
| 19.0 | 19.2C | |
| 21.0 | 21.2C | |
| 22.9 | 23.1C | 838D |
| 25.0 | 25.2C | |
| 30.6 | 30.9C | 790D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.130 | 5.130 | 25.950 | 2054 | 2054 | 1459.6 | 0 | 0 | 7234 |
| | 10.0 | 10.1 | 5.140 | 5.139 | 25.970 | 2055 | 2055 | 1459.8 | 73 | 4 | 7220 |
| | 20.0 | 20.2A | 4.697E | 4.696 | 26.475W | 2098 | 2098 | 1458.7A | 145 | 15 | 6812 |
| | 30.0 | 30.3W | 2.018W | 2.017 | 27.660W | 2213 | 2213 | 1448.9W | 205 | 30 | 5705 |

CRUISE NUMBER 72001

STATION NUMBER 034

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 776 |
| 10.0 | 10.1 | 769 |
| 20.0 | 20.2A | 814D |
| 30.0 | 30.3W | 794W |

CRUISE NUMBER 72001 STATION NUMBER 035

| | | | | | |
|-----------------|-----------|---------------|--------------|---------|-----------|
| LAT N53 50.20 | YEAR 1972 | WAVE-P/H 0504 | WIND-DIR 300 | WW 01 | COUN 18 |
| LONG W 81 24.00 | MONTH 9 | SWEL-P/H 0504 | WIND-SPD 08 | CLD-A 3 | INST 07 |
| DEPTH 38.1 | DAY 17 | SWEL-D 340 | AIR-TEM 5.0 | | RESTR |
| MARSD SQ 189 | H/M 1904 | BARO 1007.3 | WET-BLB 2.8 | | UNAS BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1910 | 0.0 | 0.0C | 5.040P | 5.040 | 26.000P | 2058 | 2058 | 1459.3C | 0 | 0 | 7188 |
| 1910 | 8.3 | 8.4C | 4.980P | 4.979 | 26.000P | 2059 | 2059 | 1459.1C | 60 | 3 | 7183 |
| 1910 | 13.0 | 13.1C | 4.980P | 4.979 | 26.000P | 2059 | 2059 | 1459.2C | 94 | 6 | 7183 |
| 1910 | 16.7 | 16.8C | 4.930P | 4.929 | 26.010P | 2060 | 2060 | 1459.1C | 121 | 10 | 7171 |
| 1910 | 21.9 | 22.1C | 4.820P | 4.819 | 26.040P | 2064 | 2064 | 1458.7C | 159 | 18 | 7139 |
| 1910 | 22.2 | 22.4C | 4.300P | 4.299 | 27.600P | 2191 | 2191 | 1458.6C | 161 | 18 | 5913 |
| 1910 | 23.0 | 23.2C | 2.540P | 2.539 | 27.890P | 2228 | 2228 | 1451.4C | 165 | 19 | 5561 |
| 1910 | 24.0 | 24.2C | 0.680P | 0.679 | 28.000P | 2247 | 2247 | 1443.1C | 171 | 21 | 5380 |
| 1910 | 25.1 | 25.3C | 0.530P | 0.529 | 28.120P | 2257 | 2257 | 1442.6C | 176 | 22 | 5282 |
| 1910 | 30.0 | 30.2C | 0.480P | 0.479 | 28.200P | 2264 | 2264 | 1442.6C | 202 | 29 | 5218 |
| 1910 | 33.5 | 33.8C | 0.450P | 0.449 | 28.200P | 2264 | 2264 | 1442.5C | 221 | 36 | 5217 |
| 1910 | 37.0 | 37.1C | 0.450P | 0.449 | 28.200P | 2264 | 2264 | 1442.6C | 239 | 42 | 5216 |

| DEPTH | PRESS | OMY |
|-------|-------|------|
| 0.0 | 0.0C | 769D |
| 8.3 | 8.4C | 741D |
| 13.0 | 13.1C | |
| 16.7 | 16.8C | 715D |
| 21.9 | 22.1C | |
| 22.2 | 22.4C | |
| 23.0 | 23.2C | |
| 24.0 | 24.2C | |
| 25.1 | 25.3C | 811D |
| 30.0 | 30.2C | |
| 33.5 | 33.8C | 811D |
| 37.0 | 37.3C | |

CRUISE NUMBER 72001 STATION NUMBER 035

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.040 | 5.040 | 26.000 | 2058 | 2058 | 1459.3 | 0 | 0 | 7188 |
| | 10.0 | 10.1A | 4.983C | 4.982 | 25.999A | 2059 | 2059 | 1459.1A | 72 | 4 | 7184 |
| | 20.0 | 20.2A | 4.860W | 5.883 | 26.029W | 1989 | 1989 | 1462.1P | 146 | 15 | 7863 |
| | 30.0 | 30.2 | 0.480 | 0.479 | 28.200 | 2264 | 2264 | 1442.6 | 202 | 29 | 5218 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 769 |
| 10.0 | 10.1A | 731C |
| 20.0 | 20.2A | 751D |
| 30.0 | 30.2 | 811W |

CRUISE NUMBER 72001 STATION NUMBER 036

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-----------|----|
| LAT | N53 50.20 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 320 | WW | 01 | COUN | 18 |
| LONG W | 81 49.30 | MONTH | 9 | SWEL-P/H | 0504 | WIND-SPD | 08 | CLD-A | 6 | INST | 07 |
| DEPTH | 28.1 | DAY | 17 | SWEL-D | 340 | AIR-TEM | 5.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2050 | BARO | 1009.5 | WET-BLB | 4.0 | | | UNAS BP L | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2050 | 0.0 | 0.0C | 5.390P | 5.390 | 25.630P | 2026 | 2026 | 1460.2C | 0 | 0 | 7500 |
| 2050 | 7.8 | 7.9C | 5.320P | 5.319 | 25.710P | 2033 | 2033 | 1460.2C | 59 | 2 | 7433 |
| 2050 | 10.0 | 10.1C | 5.280P | 5.279 | 25.640P | 2028 | 2028 | 1460.0C | 75 | 4 | 7483 |
| 2050 | 11.0 | 11.1C | 5.180P | 5.179 | 25.810P | 2042 | 2042 | 1459.8C | 83 | 5 | 7345 |
| 2050 | 12.0 | 12.1C | 4.840P | 4.839 | 25.990P | 2059 | 2059 | 1458.6C | 90 | 6 | 7178 |
| 2050 | 15.7 | 15.8C | 4.760P | 4.759 | 26.010P | 2062 | 2062 | 1458.3C | 117 | 9 | 7156 |
| 2050 | 23.6 | 23.8C | 4.630P | 4.629 | 26.120P | 2072 | 2072 | 1458.1C | 173 | 21 | 7061 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 811D |
| 7.8 | 7.9C | 756D |
| 10.0 | 10.1C | |
| 11.0 | 11.1C | |
| 12.0 | 12.1C | |
| 15.7 | 15.8C | 769D |
| 23.6 | 23.8C | 763D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.390 | 5.390 | 25.630 | 2026 | 2026 | 1460.2 | 0 | 0 | 7500 |
| | 10.0 | 10.1 | 5.280 | 5.279 | 25.640 | 2028 | 2028 | 1460.0 | 75 | 4 | 7483 |
| | 20.0 | 20.2W | 4.689W | 4.688 | 26.070W | 2067 | 2067 | 1458.2W | 147 | 16 | 7104 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 811 |
| 10.0 | 10.1 | 757C |
| 20.0 | 20.2W | 766W |

STATION NUMBER 037

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 | 47.00 | YEAR | 1972 | WAVE-P/H | 0302 | WIND-DIR | 270 | WW | 02 | COUN | 18 |
| LONG | W 82 | 0.00 | MONTH | 9 | SWEL-P/H | 0502 | WIND-SPD | 09 | CLD-A | 8 | INST | 07 |
| DEPTH | | 20.1 | DAY | 18 | SWEL-D | 230 | AIR-TEM | 3.2 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 1200 | BARO | 1018.3 | WET-BLB | 2.0 | | | UNAS | BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1211 | 0.0 | 0.0C | 5.61 E | 5.610 | 25.910B | 2046 | 2046 | 1461.5C | 0 | 0 | 7310 |
| 1211 | 9.8 | 9.9C | 5.61 E | 5.609 | 25.911B | 2046 | 2046 | 1461.7C | 72 | 4 | 7309 |
| 1211 | 19.6 | 19.8C | 5.60 D | 5.599 | 25.921B | 2047 | 2047 | 1461.8C | 145 | 15 | 7300 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 756D |
| 9.8 | 9.9C | 776D |
| 19.6 | 19.8C | 756D |

INTERPOLATED

[illegible]

CRUISE NUMBER 72001 STATION NUMBER 038

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0403 | WIND-DIR | 260 | WW | 02 | COUN | 18 |
| LONG | W 81 32.00 | MONTH | 9 | SWEL-P/H | 0503 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 38.1 | DAY | 18 | SWEL-D | 250 | AIR-TEM | 4.2 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1405 | BARO | 1019.4 | WET-BLB | 1.6 | | | UNAS | BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1408 | 0.0 | 0.0C | 3.960P | 3.960 | 27.800P | 2210 | 2210 | 1457.0C | 0 | 0 | 5733 |
| 1408 | 9.2 | 9.3C | 3.920P | 3.919 | 27.800P | 2211 | 2211 | 1457.0C | 53 | 3 | 5730 |
| 1408 | 18.4 | 18.6C | 3.860P | 3.859 | 27.840P | 2214 | 2214 | 1457.0C | 106 | 10 | 5694 |
| 1408 | 26.0 | 26.2C | 3.730P | 3.728 | 28.030P | 2230 | 2230 | 1456.8C | 149 | 20 | 5540 |
| 1408 | 28.0 | 28.2C | 3.630P | 3.628 | 28.060P | 2234 | 2234 | 1456.4C | 160 | 23 | 5509 |
| 1408 | 35.0 | 35.3C | 3.600P | 3.598 | 28.080P | 2235 | 2235 | 1456.4C | 199 | 36 | 5492 |
| 1408 | 36.0 | 36.3C | 3.570P | 3.568 | 28.090P | 2236 | 2236 | 1456.3C | 205 | 38 | 5482 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 783D |
| 9.2 | 9.3C | 776D |
| 18.4 | 18.6C | 769D |
| 26.0 | 26.2C | . |
| 28.0 | 28.2C | 783D |
| 35.0 | 35.3C | |
| 36.0 | 36.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.960 | 3.960 | 27.800 | 2210 | 2210 | 1457.0 | 0 | 0 | 5733 |
| | 10.0 | 10.1A | 3.917B | 3.916 | 27.799C | 2211 | 2211 | 1457.0A | 58 | 3 | 5731 |
| | 20.0 | 20.2A | 3.852D | 3.851 | 27.879D | 2217 | 2217 | 1457.1A | 115 | 12 | 5664 |
| | 30.0 | 30.2W | 3.621W | 3.619 | 28.066W | 2234 | 2234 | 1456.4W | 171 | 27 | 5504 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 783 |
| 10.0 | 10.1A | 775A |
| 20.0 | 20.2A | 771W |

CRUISE NUMBER 72001

STATION NUMBER 039

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|-----------|----|
| LAT | N54 43.00 | YEAR | 1972 | WAVE-P/H | 0403 | WIND-DIR | 270 | WW | 01 | COUN | 18 |
| LONG | W 80 58.00 | MONTH | 9 | SWEL-P/H | 0503 | WIND-SPD | 07 | CLD-A | 7 | INST | 07 |
| DEPTH | 76.2 | DAY | 18 | SWEL-D | 250 | AIR-TEM | 4.8 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1601 | BARO | 1019.9 | WET-BLB | 2.5 | | | UNAS BP L | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1610 | 0.0 | 0.0C | 4.560P | 4.560 | 26.860P | 2131 | 2131 | 1458.4C | 0 | 0 | 6495 |
| 1610 | 8.4 | 8.5C | 4.520P | 4.519 | 26.930P | 2137 | 2137 | 1458.4C | 55 | 2 | 6439 |
| 1610 | 16.9 | 17.0C | 4.480P | 4.479 | 26.960P | 2139 | 2139 | 1458.4C | 110 | 9 | 6413 |
| 1610 | 25.4 | 25.6C | 4.340P | 4.338 | 27.010P | 2144 | 2144 | 1458.0C | 165 | 21 | 6363 |
| 1610 | 26.0 | 26.2C | 4.260P | 4.258 | 27.070P | 2150 | 2150 | 1457.8C | 168 | 22 | 6311 |
| 1610 | 27.0 | 27.2C | 4.180P | 4.178 | 27.910P | 2217 | 2217 | 1458.6C | 174 | 24 | 5668 |
| 1610 | 30.0 | 30.3C | 0.650P | 0.649 | 29.730P | 2386 | 2386 | 1445.5C | 189 | 28 | 4054 |
| 1610 | 30.6 | 30.9C | -0.680P | -0.680 | 29.830P | 2399 | 2399 | 1439.5C | 192 | 29 | 3929 |
| 1610 | 40.0 | 40.3C | -1.390P | -1.390 | 31.010P | 2496 | 2496 | 1437.9C | 224 | 41 | 3004 |
| 1610 | 42.4 | 42.8C | -1.430P | -1.430 | 31.360P | 2524 | 2524 | 1438.3C | 231 | 44 | 2734 |
| 1610 | 50.0 | 50.4C | -1.510P | -1.510 | 31.600P | 2544 | 2544 | 1438.3C | 251 | 53 | 2547 |
| 1610 | 60.0 | 60.5C | -1.550P | -1.550 | 31.640P | 2547 | 2547 | 1438.4C | 277 | 68 | 2514 |
| 1610 | 63.6 | 64.1C | -1.550P | -1.550 | 31.700P | 2552 | 2552 | 1438.5C | 286 | 73 | 2468 |
| 1610 | 65.0 | 65.5C | -1.560P | -1.560 | 31.740P | 2555 | 2555 | 1438.5C | 289 | 76 | 2437 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 769D |
| 8.4 | 8.5C | 776D |
| 16.9 | 17.0C | 772D |
| 25.4 | 25.6C | 769D |
| 26.0 | 26.2C | |
| 27.0 | 27.2C | |
| 30.0 | 30.3C | |
| 30.6 | 30.9C | |
| 40.0 | 40.3C | |
| 42.4 | 42.8C | 721D |
| 50.0 | 50.4C | |
| 60.0 | 60.5C | |
| 63.6 | 64.1C | 660D |
| 65.0 | 65.5C | |

CRUISE NUMBER 72001 STATION NUMBER 039

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.560 | 4.560 | 26.860 | 2131 | 2131 | 1458.4 | 0 | 0 | 6495 |
| | 10.0 | 10.1A | 4.516C | 4.515 | 26.936B | 2137 | 2137 | 1458.4A | 65 | 3 | 6434 |
| | 20.0 | 20.1A | 4.429W | 4.935 | 26.978W | 2107 | 2107 | 1460.0E | 131 | 13 | 6713 |
| | 30.0 | 30.3 | 0.650 | 0.649 | 29.730 | 2386 | 2386 | 1445.5 | 189 | 28 | 4054 |
| | 50.0 | 50.4 | -1.509 | -1.509 | 31.600 | 2544 | 2544 | 1438.3 | 251 | 53 | 2547 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 769 |
| 10.0 | 10.1A | 776A |
| 20.0 | 20.1A | 772A |
| 30.0 | 30.3 | 759B |
| 50.0 | 50.4 | 699W |

CRUISE NUMBER 72001 STATION NUMBER 040

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|-----------|----|
| LAT | N54 40.20 | YEAR | 1972 | WAVE-P/H | 0403 | WIND-DIR | 260 | WW | 02 | COUN | 18 |
| LONG | W 80 23.00 | MONTH | 9 | SWEL-P/H | 0503 | WIND-SPD | 07 | CLD-A | 7 | INST | 07 |
| DEPTH | 103.6 | DAY | 18 | SWEL-D | 260 | AIR-TEM | 5.0 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1802 | BARO | 1020.0 | WET-BLB | 2.7 | | | UNAS BP L | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1810 | 0.0 | 0.0C | 4.640P | 4.640 | 26.400P | 2094 | 2094 | 1458.1C | 0 | 0 | 6850 |
| 1810 | 7.6 | 7.7C | 4.660P | 4.660 | 26.420P | 2095 | 2095 | 1458.3C | 53 | 2 | 6837 |
| 1810 | 10.0 | 10.1C | 4.610P | 4.609 | 26.430P | 2096 | 2096 | 1458.2C | 69 | 4 | 6825 |
| 1810 | 15.3 | 15.4C | 4.520P | 4.519 | 26.600P | 2110 | 2110 | 1458.1C | 105 | 8 | 6689 |
| 1810 | 20.0 | 20.2C | 4.460P | 4.459 | 26.920P | 2136 | 2136 | 1458.3C | 137 | 14 | 6441 |
| 1810 | 22.9 | 23.1C | 4.250P | 4.249 | 27.900P | 2216 | 2216 | 1458.8C | 154 | 18 | 5681 |
| 1810 | 24.2 | 24.4C | 4.160P | 4.158 | 29.030P | 2306 | 2306 | 1459.9C | 161 | 20 | 4819 |
| 1810 | 25.0 | 25.2C | 2.100P | 2.099 | 29.400P | 2351 | 2351 | 1451.5C | 165 | 20 | 4383 |
| 1810 | 26.0 | 26.2C | -0.660P | -0.660 | 29.640P | 2383 | 2383 | 1439.2C | 169 | 22 | 4076 |
| 1810 | 28.0 | 28.2C | -1.060P | -1.059 | 29.870P | 2403 | 2403 | 1437.7C | 177 | 24 | 3890 |
| 1810 | 30.0 | 30.3C | -1.230P | -1.229 | 30.010P | 2414 | 2414 | 1437.1C | 185 | 26 | 3778 |
| 1810 | 38.3 | 38.6C | -1.420P | -1.420 | 30.600P | 2463 | 2463 | 1437.2C | 215 | 36 | 3319 |
| 1810 | 50.0 | 50.4C | -1.510P | -1.510 | 31.200P | 2511 | 2511 | 1437.8C | 251 | 53 | 2855 |
| 1810 | 57.4 | 57.9C | -1.600P | -1.600 | 31.590P | 2543 | 2543 | 1438.0C | 271 | 64 | 2552 |
| 1810 | 61.0 | 61.5C | -1.600P | -1.600 | 31.960P | 2573 | 2573 | 1438.6C | 280 | 69 | 2267 |
| 1810 | 76.6 | 77.2C | -1.590P | -1.590 | 32.030P | 2579 | 2579 | 1439.0C | 315 | 94 | 2212 |
| 1810 | 86.0 | 86.7C | -1.570P | -1.570 | 32.130P | 2587 | 2587 | 1439.4C | 336 | 111 | 2135 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 790D |
| 7.6 | 7.7C | 776D |
| 10.0 | 10.1C | |
| 15.3 | 15.4C | 769D |
| 20.0 | 20.2C | |
| 22.9 | 23.1C | 783D |
| 24.2 | 24.4C | |
| 25.0 | 25.2C | |
| 26.0 | 26.2C | |
| 28.0 | 28.2C | |
| 30.0 | 30.3C | |
| 38.3 | 38.6C | 769D |
| 50.0 | 50.4C | |
| 57.4 | 57.9C | 632D |
| 61.0 | 61.5C | |
| 76.6 | 77.2C | 618D |
| 86.0 | 86.7C | |

CRUISE NUMBER 72001 STATION NUMBER 040

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.640 | 4.640 | 26.400 | 2094 | 2094 | 1458.1 | 0 | 0 | 6850 |
| | 10.0 | 10.1 | 4.610 | 4.609 | 26.430 | 2096 | 2096 | 1458.2 | 69 | 4 | 6825 |
| | 20.0 | 20.2 | 4.460 | 4.459 | 26.920 | 2136 | 2136 | 1458.3 | 137 | 14 | 6441 |
| | 30.0 | 30.3 | -1.229 | -1.228 | 30.010 | 2414 | 2414 | 1437.1 | 185 | 26 | 3778 |
| | 50.0 | 50.4 | -1.509 | -1.509 | 31.200 | 2511 | 2511 | 1437.8 | 251 | 53 | 2855 |
| | 75.0 | 75.6A | -1.591A | -1.591 | 32.023W | 2583 | 2583 | 1439.0A | 312 | 91 | 2176 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 790 |
| 10.0 | 10.1 | 772A |
| 20.0 | 20.2 | 777B |
| 30.0 | 30.3 | 785B |
| 50.0 | 50.4 | 686E |
| 75.0 | 75.6A | 619W |

CRUISE NUMBER 72001 STATION NUMBER 041

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-----------|----|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0403 | WIND-DIR | 260 | WW | 02 | COUN | 18 |
| LONG W | 80 24.00 | MONTH | 9 | SWEL-P/H | 0503 | WIND-SPD | 07 | CLD-A | 7 | INST | 07 |
| DEPTH | 103.6 | DAY | 18 | SWEL-D | 260 | AIR-TEM | 4.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1915 | BARO | 1020.1 | WET-BLB | 2.0 | | | UNAS BP L | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVL |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 1920 | 0.0 | 0.0C | 4.880P | 4.880 | 26.510P | 2100 | 2100 | 1459.2C | 0 | 0 | 6788 |
| 1920 | 7.8 | 7.9C | 4.920P | 4.919 | 26.560P | 2104 | 2104 | 1459.6C | 53 | 2 | 6754 |
| 1920 | 15.7 | 15.8C | 4.870P | 4.869 | 26.590P | 2106 | 2106 | 1459.6C | 107 | 9 | 6727 |
| 1920 | 20.0 | 20.2C | 4.820P | 4.819 | 26.600P | 2108 | 2108 | 1459.4C | 136 | 14 | 6715 |
| 1920 | 23.0 | 23.2C | 4.630P | 4.629 | 26.790P | 2124 | 2124 | 1458.9C | 156 | 18 | 6554 |
| 1920 | 23.6 | 23.8C | 4.500P | 4.499 | 26.810P | 2127 | 2127 | 1458.4C | 160 | 19 | 6528 |
| 1920 | 25.0 | 25.2C | 3.450P | 3.449 | 27.930P | 2225 | 2225 | 1455.4C | 169 | 21 | 5594 |
| 1920 | 27.0 | 27.2C | 1.170P | 1.169 | 28.880P | 2315 | 2315 | 1446.6C | 179 | 24 | 4728 |
| 1920 | 29.0 | 29.2C | 0.000P | 0.000 | 29.620P | 2380 | 2380 | 1442.3C | 188 | 27 | 4112 |
| 1920 | 31.0 | 31.3C | -1.010P | -1.010 | 30.030P | 2416 | 2416 | 1438.2C | 196 | 29 | 3767 |
| 1920 | 35.0 | 35.3C | -1.380P | -1.380 | 30.470P | 2452 | 2452 | 1437.1C | 210 | 34 | 3421 |
| 1920 | 39.4 | 39.7C | -1.540P | -1.540 | 30.830P | 2481 | 2481 | 1436.9C | 225 | 40 | 3140 |
| 1920 | 50.0 | 50.4C | -1.600P | -1.600 | 31.400P | 2528 | 2528 | 1437.6C | 256 | 54 | 2699 |
| 1920 | 59.1 | 59.6C | -1.600P | -1.600 | 31.800P | 2560 | 2560 | 1438.3C | 279 | 67 | 2391 |
| 1920 | 70.0 | 70.6C | -1.610P | -1.610 | 32.200P | 2592 | 2592 | 1439.0C | 304 | 83 | 2082 |
| 1920 | 78.8 | 79.5C | -1.630P | -1.630 | 32.230P | 2595 | 2595 | 1439.1C | 322 | 97 | 2058 |
| 1920 | 90.0 | 90.8C | -1.600P | -1.601 | 32.270P | 2598 | 2598 | 1439.5C | 345 | 117 | 2026 |

| DEPTH | PRESS | OXV |
|-------|-------|------|
| 0.0 | 0.0C | 769D |
| 7.8 | 7.9C | 783D |
| 15.7 | 15.8C | 783D |
| 20.0 | 20.2C | |
| 23.0 | 23.2C | |
| 23.6 | 23.8C | 783D |
| 25.0 | 25.2C | |
| 27.0 | 27.2C | |
| 29.0 | 29.2C | |
| 31.0 | 31.3C | |
| 35.0 | 35.3C | |
| 39.4 | 39.7C | 715D |
| 50.0 | 50.4C | |
| 59.1 | 59.6C | 632D |
| 70.0 | 70.6C | |
| 78.8 | 79.5C | 612D |
| 90.0 | 90.8C | |

CRUISE NUMBER 72001 STATION NUMBER 041

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.880 | 4.880 | 26.510 | 2100 | 2100 | 1459.2 | 0 | 0 | 6788 |
| | 10.0 | 10.1A | 4.913B | 4.912 | 26.570A | 2105 | 2105 | 1459.6A | 68 | 4 | 6746 |
| | 20.0 | 20.2 | 4.820 | 4.819 | 26.600 | 2108 | 2108 | 1459.4 | 136 | 14 | 6715 |
| | 30.0 | 30.2A | -0.548E | -0.548 | 29.854D | 2401 | 2401 | 1440.1A | 192 | 28 | 3915 |
| | 50.0 | 50.4 | -1.599 | -1.599 | 31.400 | 2528 | 2528 | 1437.6 | 256 | 54 | 2699 |
| | 75.0 | 75.7A | -1.622C | -1.622 | 32.217W | 2595 | 2595 | 1439.1A | 314 | 91 | 2056 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 769 |
| 10.0 | 10.1A | 784A |
| 20.0 | 20.2 | 784A |
| 30.0 | 30.2A | 761C |
| 50.0 | 50.4 | 666C |
| 75.0 | 75.7A | 616W |

CRUISE NUMBER 72001 STATION NUMBER 042

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 45.00 | YEAR | 1972 | WAVE-P/H | 0403 | WIND-DIR | 270 | WW | 02 | COUN | 18 |
| LONG | W 80 0.00 | MONTH | 9 | SWEL-P/H | 0503 | WIND-SPD | 07 | CLD-A | 7 | INST | 07 |
| DEPTH | 79.2 | DAY | 18 | SWEL-D | 260 | AIR-TEM | 4.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2220 | BARO | 1020.7 | WET-BLB | 2.5 | | | UNAS | BP L |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 2215 | 0.0 | 0.0C | 5.980P | 5.980 | 23.870P | 1882 | 1882 | 1460.4C | 0 | 0 | 8888 |
| 2215 | 8.1 | 8.2C | 6.010P | 6.009 | 24.090P | 1899 | 1899 | 1460.9C | 72 | 3 | 8724 |
| 2215 | 10.0 | 10.1C | 5.820P | 5.819 | 24.580P | 1939 | 1939 | 1460.8C | 88 | 5 | 8335 |
| 2215 | 12.0 | 12.1C | 5.100P | 5.099 | 25.190P | 1994 | 1994 | 1458.6C | 105 | 6 | 7807 |
| 2215 | 14.0 | 14.1C | 4.630P | 4.629 | 25.590P | 2030 | 2030 | 1457.2C | 120 | 8 | 7463 |
| 2215 | 16.3 | 16.4C | 4.450P | 4.449 | 25.790P | 2047 | 2047 | 1456.7C | 137 | 11 | 7297 |
| 2215 | 19.0 | 19.2C | 4.410P | 4.409 | 26.040P | 2067 | 2067 | 1456.9C | 157 | 15 | 7104 |
| 2215 | 21.0 | 21.2C | 4.330P | 4.329 | 26.310P | 2089 | 2089 | 1457.0C | 171 | 18 | 6892 |
| 2215 | 24.5 | 24.7C | 3.980P | 3.979 | 26.630P | 2117 | 2117 | 1456.0C | 195 | 23 | 6621 |
| 2215 | 28.0 | 28.2C | 3.660P | 3.658 | 26.950P | 2145 | 2145 | 1455.1C | 217 | 29 | 6354 |
| 2215 | 30.6 | 30.9C | 2.830P | 2.828 | 27.200P | 2171 | 2171 | 1451.8C | 234 | 34 | 6105 |
| 2215 | 35.0 | 35.3C | 2.730P | 2.728 | 27.760P | 2216 | 2216 | 1452.2C | 260 | 43 | 5672 |
| 2215 | 36.0 | 36.3C | 2.670P | 2.668 | 28.800P | 2300 | 2300 | 1453.4C | 265 | 45 | 4877 |
| 2215 | 36.4 | 36.7C | 2.630P | 2.628 | 28.880P | 2306 | 2306 | 1453.3C | 267 | 46 | 4813 |
| 2215 | 37.0 | 37.3C | 1.120P | 1.119 | 28.960P | 2322 | 2322 | 1446.7C | 270 | 47 | 4664 |
| 2215 | 40.0 | 40.3C | 0.990P | 0.989 | 29.290P | 2349 | 2349 | 1446.6C | 284 | 52 | 4405 |
| 2215 | 40.9 | 41.2C | 0.620P | 0.619 | 29.380P | 2358 | 2358 | 1445.0C | 288 | 54 | 4319 |
| 2215 | 46.0 | 46.4C | 0.470P | 0.469 | 29.600P | 2376 | 2376 | 1444.7C | 309 | 63 | 4144 |
| 2215 | 52.0 | 52.4C | 0.200P | 0.198 | 29.790P | 2392 | 2392 | 1443.8C | 334 | 76 | 3987 |
| 2215 | 59.0 | 59.5C | 0.200P | 0.198 | 30.300P | 2433 | 2433 | 1444.7C | 361 | 91 | 3596 |
| 2215 | 61.4 | 61.9C | -0.740P | -0.740 | 30.480P | 2451 | 2451 | 1440.6C | 369 | 96 | 3426 |
| 2215 | 63.3 | 63.8C | -1.320P | -1.320 | 30.620P | 2464 | 2464 | 1438.1C | 376 | 100 | 3303 |
| 2215 | 70.0 | 70.6C | -1.400P | -1.400 | 31.010P | 2496 | 2496 | 1438.4C | 397 | 115 | 3001 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 756D |
| 8.1 | 8.2C | 749D |
| 10.0 | 10.1C | |
| 12.0 | 12.1C | |
| 14.0 | 14.1C | |
| 16.3 | 16.4C | 741D |
| 19.0 | 19.2C | |
| 21.0 | 21.2C | |
| 24.5 | 24.7C | 741D |
| 28.0 | 28.2C | |
| 30.6 | 30.9C | |
| 35.0 | 35.3C | |
| 36.0 | 36.3C | |
| 36.4 | 36.7C | |
| 37.0 | 37.3C | |

CRUISE NUMBER 72001

STATION NUMBER 042

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 40.0 | 40.3C | |
| 40.9 | 41.2C | 694D |
| 46.0 | 46.4C | |
| 52.0 | 52.4C | |
| 59.0 | 59.5C | |
| 61.4 | 61.9C | 694D |
| 63.3 | 63.8C | |
| 70.0 | 70.6C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.980 | 5.980 | 23.870 | 1882 | 1882 | 1460.4 | 0 | 0 | 8888 |
| | 10.0 | 10.1 | 5.820 | 5.819 | 24.580 | 1939 | 1939 | 1460.8 | 88 | 5 | 8335 |
| | 20.0 | 20.2A | 4.378B | 4.377 | 26.174D | 2078 | 2078 | 1457.0A | 164 | 17 | 6999 |
| | 30.0 | 30.3A | 3.019F | 3.017 | 27.139B | 2165 | 2165 | 1452.5B | 230 | 33 | 6165 |
| | 50.0 | 50.4A | 0.282E | 0.280 | 29.727W | 2386 | 2386 | 1444.0A | 326 | 72 | 4046 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 756 |
| 10.0 | 10.1 | 747A |
| 20.0 | 20.2A | 741A |
| 30.0 | 30.3A | 726C |
| 50.0 | 50.4A | 694W |

CRUISE NUMBER 72001

STATION NUMBER 043

| | | | | | |
|-----------------|-----------|---------------|--------------|---------|------------|
| LAT N54 3.00 | YEAR 1972 | WAVE-P/H 0406 | WIND-DIR 190 | HW 02 | COUN 18 |
| LONG W 79 37.00 | MONTH 10 | SWEL-P/H 0505 | WIND-SPD 14 | CLD-A 8 | INST 07 |
| DEPTH 34.1 | DAY 01 | SWEL-D 190 | AIR-TEM 9.5 | | RESTR |
| MARSD SQ 188 | H/M 1530 | BARO 1001.9 | WET-BLB 5.4 | | UNAS BN 40 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 1545 | 0.0 | 0.0C | 5.290P | 5.290 | 22.290P | 1764 | 1764 | 1455.5C | 0 | 0 | 10024 |
| 1545 | 6.0 | 6.0C | 5.310P | 5.310 | 22.370P | 1770 | 1770 | 1455.8C | 60 | 2 | 9965 |
| 1545 | 9.0 | 9.1C | 5.350P | 5.349 | 22.440P | 1775 | 1775 | 1456.1C | 91 | 4 | 9915 |
| 1545 | 10.0 | 10.1C | 5.370P | 5.369 | 22.730P | 1798 | 1798 | 1456.5C | 101 | 5 | 9696 |
| 1545 | 11.5 | 11.6C | 5.400P | 5.399 | 23.740P | 1877 | 1877 | 1458.0C | 115 | 7 | 8933 |
| 1545 | 12.0 | 12.1C | 5.420P | 5.419 | 23.940P | 1893 | 1893 | 1458.4C | 119 | 7 | 8783 |
| 1545 | 16.0 | 16.1C | 5.410P | 5.409 | 24.540P | 1940 | 1940 | 1459.2C | 153 | 12 | 8327 |
| 1545 | 18.0 | 18.1C | 5.390P | 5.389 | 24.620P | 1946 | 1946 | 1459.2C | 170 | 15 | 8265 |
| 1545 | 24.0 | 24.2C | 5.200P | 5.198 | 24.830P | 1965 | 1965 | 1458.8C | 220 | 26 | 8088 |
| 1545 | 30.0 | 30.3C | 5.000P | 4.998 | 25.040P | 1983 | 1983 | 1458.3C | 269 | 39 | 7912 |
| 1545 | 33.0 | 33.3C | 4.920P | 4.918 | 25.170P | 1994 | 1994 | 1458.2C | 292 | 47 | 7806 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 760D |
| 6.0 | 6.0C | 760D |
| 9.0 | 9.1C | |
| 10.0 | 10.1C | |
| 11.5 | 11.6C | |
| 12.0 | 12.1C | 747D |
| 16.0 | 16.1C | |
| 18.0 | 18.1C | 747D |
| 24.0 | 24.2C | |
| 30.0 | 30.3C | 747D |
| 33.0 | 33.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 5.290 | 5.290 | 22.290 | 1764 | 1764 | 1455.5 | 0 | 0 | 10024 |
| | 10.0 | 10.1 | 5.370 | 5.369 | 22.730 | 1798 | 1798 | 1456.5 | 101 | 5 | 9696 |
| | 20.0 | 20.1A | 5.338D | 5.337 | 24.692B | 1952 | 1952 | 1459.1A | 187 | 18 | 8205 |
| | 30.0 | 30.3 | 5.000 | 4.998 | 25.040 | 1983 | 1983 | 1458.3 | 269 | 39 | 7912 |

CRUISE NUMBER 72001

STATION NUMBER 043

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 760 |
| 10.0 | 10.1 | 751A |
| 20.0 | 20.1A | 747W |
| 30.0 | 30.3 | 747 |

CRUISE NUMBER 72001 STATION NUMBER 044

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0406 | WIND-DIR | 240 | WW | 02 | COUN | 18 |
| LONG | W 79 39.00 | MONTH | 10 | SWEL-P/H | 0505 | WIND-SPD | 13 | CLD-A | 8 | INST | 07 |
| DEPTH | 42.0 | DAY | 01 | SWEL-D | 200 | AIR-TEM | 9.5 | | | RESTR | |
| MARSD SQ | 188 | H/M | 1815 | BARO | 1002.8 | WET-BLB | 5.4 | | | UNAS BN | 45 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1820 | 0.0 | 0.0C | 5.740P | 5.740 | 24.360P | 1923 | 1923 | 1460.0C | 0 | 0 | 8494 |
| 1820 | 7.9 | 8.0C | 5.600P | 5.599 | 24.370P | 1925 | 1925 | 1459.6C | 68 | 3 | 8473 |
| 1820 | 15.9 | 16.0C | 5.590P | 5.589 | 24.370P | 1925 | 1925 | 1459.7C | 136 | 11 | 8472 |
| 1820 | 20.0 | 20.2C | 5.570P | 5.569 | 24.370P | 1925 | 1925 | 1459.7C | 171 | 18 | 8470 |
| 1820 | 23.9 | 24.1C | 5.600P | 5.598 | 24.400P | 1927 | 1927 | 1459.9C | 204 | 25 | 8450 |
| 1820 | 30.0 | 30.2C | 5.560P | 5.558 | 24.580P | 1942 | 1942 | 1460.1C | 255 | 39 | 8310 |
| 1820 | 31.9 | 32.2C | 5.430P | 5.428 | 24.680P | 1951 | 1951 | 1459.7C | 272 | 44 | 8223 |
| 1820 | 36.0 | 36.3C | 5.190P | 5.188 | 25.000P | 1978 | 1978 | 1459.2C | 305 | 56 | 7959 |
| 1820 | 39.0 | 39.3C | 4.930P | 4.927 | 25.340P | 2007 | 2007 | 1458.6C | 329 | 65 | 7678 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 754D |
| 7.9 | 8.0C | 760D |
| 15.9 | 16.0C | 758D |
| 20.0 | 20.2C | |
| 23.9 | 24.1C | 748D |
| 30.0 | 30.2C | |
| 31.9 | 32.2C | 734D |
| 36.0 | 36.3C | |
| 39.0 | 39.3C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.740 | 5.740 | 24.360 | 1923 | 1923 | 1460.0 | 0 | 0 | 8494 |
| | 10.0 | 10.1A | 5.593D | 5.592 | 24.370A | 1925 | 1925 | 1459.6A | 86 | 4 | 8472 |
| | 20.0 | 20.2 | 5.570 | 5.569 | 24.370 | 1925 | 1925 | 1459.7 | 171 | 18 | 8470 |
| | 30.0 | 30.2 | 5.560 | 5.558 | 24.580 | 1942 | 1942 | 1460.1 | 255 | 39 | 8310 |

CRUISE NUMBER 72001

STATION NUMBER 044

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 754 |
| 10.0 | 10.1A | 760A |
| 20.0 | 20.2 | 754A |
| 30.0 | 30.2 | 737W |

CRUISE NUMBER 72001

STATION NUMBER 045

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0406 | WIND-DIR | 270 | NW | 02 | COUN | 18 |
| LONG | W 79 20.00 | MONTH | 10 | SWEL-P/H | 0505 | WIND-SPD | 12 | CLD-A | 8 | INST | 07 |
| DEPTH | 31.0 | DAY | 01 | SWEL-D | 250 | AIR-TEM | 3.5 | | | RESTR | |
| MARSD SQ | 188 | H/M | 1925 | BARO | 1002.8 | WET-BLB | 4.0 | | | UNAS BN | 35 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1932 | 0.0 | 0.0C | 5.770P | 5.770 | 23.200P | 1831 | 1831 | 1458.7C | 0 | 0 | 9376 |
| 1932 | 8.4 | 8.5C | 5.670P | 5.669 | 23.200P | 1832 | 1832 | 1458.4C | 80 | 3 | 9366 |
| 1932 | 16.9 | 17.0C | 5.710P | 5.709 | 23.190P | 1831 | 1831 | 1458.7C | 159 | 14 | 9377 |
| 1932 | 23.0 | 23.2C | 5.660P | 5.658 | 23.340P | 1843 | 1843 | 1458.8C | 217 | 26 | 9259 |
| 1932 | 25.4 | 25.6C | 5.640P | 5.638 | 23.520P | 1857 | 1857 | 1459.0C | 239 | 31 | 9120 |
| 1932 | 28.0 | 28.2C | 5.630P | 5.628 | 24.000P | 1895 | 1895 | 1459.6C | 263 | 38 | 8756 |
| 1932 | 30.0 | 30.2C | 5.600P | 5.598 | 24.190P | 1911 | 1911 | 1459.7C | 280 | 43 | 8609 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 754D |
| 8.4 | 8.5C | 747D |
| 16.9 | 17.0C | 754D |
| 23.0 | 23.2C | |
| 25.4 | 25.6C | 734D |
| 28.0 | 28.2C | |
| 30.0 | 30.2C | |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.770 | 5.770 | 23.200 | 1831 | 1831 | 1458.7 | 0 | 0 | 9376 |
| | 10.0 | 10.1A | 5.677D | 5.676 | 23.189D | 1831 | 1831 | 1458.4A | 95 | 5 | 9375 |
| | 20.0 | 20.2A | 5.689C | 5.687 | 23.266W | 1834 | 1834 | 1458.7A | 189 | 20 | 9345 |
| | 30.0 | 30.2 | 5.600 | 5.598 | 24.190 | 1911 | 1911 | 1459.7 | 280 | 43 | 8609 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 754 |
| 10.0 | 10.1A | 749B |
| 20.0 | 20.2A | 747W |

CRUISE NUMBER 72001 STATION NUMBER 046

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 300 | WW | 02 | COUN | 18 |
| LONG | W 79 37.30 | MONTH | 10 | SWEL-P/H | 0504 | WIND-SPD | 08 | CLD-A | 5 | INST | 07 |
| DEPTH | 54.8 | DAY | 02 | SWEL-D | 330 | AIR-TEM | 3.8 | | | RESTR | |
| MARSD SQ | 188 | H/M | 1510 | BARO | 1021.5 | WET-BLB | 1.4 | | | UNAS BP | 75 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1515 | 0.0 | 0.0C | 5.260P | 5.260 | 24.780P | 1960 | 1960 | 1458.6C | 0 | 0 | 8132 |
| 1515 | 7.5 | 7.6C | 5.180P | 5.180 | 24.790P | 1962 | 1962 | 1458.4C | 62 | 2 | 8117 |
| 1515 | 8.0 | 8.1C | 5.160P | 5.159 | 25.000P | 1978 | 1978 | 1458.6C | 66 | 3 | 7956 |
| 1515 | 9.9 | 10.0C | 5.030P | 5.029 | 25.260P | 2000 | 2000 | 1458.4C | 81 | 4 | 7748 |
| 1515 | 15.0 | 15.1C | 4.800P | 4.799 | 25.420P | 2015 | 2015 | 1457.7C | 120 | 9 | 7607 |
| 1515 | 19.9 | 20.1C | 4.690P | 4.689 | 25.650P | 2034 | 2034 | 1457.6C | 157 | 16 | 7423 |
| 1515 | 25.0 | 25.2C | 4.600P | 4.598 | 25.790P | 2046 | 2046 | 1457.5C | 195 | 24 | 7309 |
| 1515 | 29.8 | 30.0C | 4.570P | 4.568 | 25.860P | 2052 | 2052 | 1457.6C | 230 | 34 | 7253 |
| 1515 | 36.0 | 36.3C | 4.400P | 4.398 | 26.030P | 2066 | 2066 | 1457.2C | 275 | 50 | 7110 |
| 1515 | 44.0 | 44.4C | 4.110P | 4.107 | 26.400P | 2098 | 2098 | 1456.5C | 331 | 73 | 6806 |
| 1515 | 49.6 | 50.0C | 3.870P | 3.867 | 26.500P | 2108 | 2108 | 1455.7C | 369 | 91 | 6711 |
| 1515 | 51.0 | 51.4C | 3.870P | 3.867 | 26.500P | 2108 | 2108 | 1455.8C | 379 | 96 | 6711 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 747D |
| 7.5 | 7.6C | |
| 8.0 | 8.1C | |
| 9.9 | 10.0C | 747D |
| 15.0 | 15.1C | |
| 19.9 | 20.1C | 760D |
| 25.0 | 25.2C | |
| 29.8 | 30.0C | 747D |
| 36.0 | 36.3C | |
| 44.0 | 44.4C | |
| 49.6 | 50.0C | 754D |
| 51.0 | 51.4C | |

CRUISE NUMBER 72001 STATION NUMBER 047

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | NS3 38.00 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 280 | WW | 03 | COUN | 18 |
| LONG | W 79 58.00 | MONTH | 10 | SWEL-P/H | 0504 | WIND-SPD | 06 | CLD-A | 6 | INST | 07 |
| DEPTH | 52.7 | DAY | 02 | SWEL-D | 310 | AIR-TEM | 3.0 | | | RESTR | |
| MARSD | SQ 188 | H/M | 1645 | BARO | 1022.0 | WET-BLB | 0.7 | | | UNAS | BP100 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1650 | 0.0 | 0.0C | 4.230P | 4.230 | 26.160P | 2078 | 2078 | 1456.0C | 0 | 0 | 6998 |
| 1650 | 9.6 | 9.7C | 4.170P | 4.169 | 26.180P | 2080 | 2080 | 1456.0C | 68 | 3 | 6978 |
| 1650 | 15.0 | 15.1C | 4.200P | 4.199 | 26.200P | 2082 | 2082 | 1456.2C | 105 | 8 | 6965 |
| 1650 | 19.2 | 19.4C | 4.200P | 4.199 | 26.220P | 2083 | 2083 | 1456.3C | 135 | 13 | 6950 |
| 1650 | 25.0 | 25.2C | 4.010P | 4.009 | 26.420P | 2101 | 2101 | 1455.8C | 175 | 22 | 6783 |
| 1650 | 28.8 | 29.0C | 3.920P | 3.918 | 26.680P | 2122 | 2122 | 1455.9C | 201 | 29 | 6579 |
| 1650 | 30.0 | 30.2C | 3.820P | 3.818 | 26.810P | 2133 | 2133 | 1455.6C | 209 | 32 | 6472 |
| 1650 | 31.0 | 31.3C | 3.360P | 3.358 | 26.970P | 2149 | 2149 | 1453.8C | 216 | 34 | 6316 |
| 1650 | 35.0 | 35.3C | 3.040P | 3.038 | 27.210P | 2171 | 2171 | 1452.8C | 240 | 42 | 6111 |
| 1650 | 39.5 | 39.8C | 2.720P | 2.718 | 27.580P | 2202 | 2202 | 1452.0C | 267 | 53 | 5808 |
| 1650 | 40.7 | 41.0C | 2.360P | 2.358 | 27.650P | 2210 | 2210 | 1450.5C | 274 | 56 | 5731 |
| 1650 | 45.0 | 45.4C | 2.180P | 2.178 | 27.880P | 2230 | 2230 | 1450.1C | 299 | 66 | 5545 |
| 1650 | 48.0 | 48.4C | 2.010P | 2.008 | 28.020P | 2242 | 2242 | 1449.6C | 315 | 74 | 5428 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 760D |
| 9.6 | 9.7C | 775D |
| 15.0 | 15.1C | |
| 19.2 | 19.4C | 760D |
| 25.0 | 25.2C | |
| 28.8 | 29.0C | 747D |
| 30.0 | 30.2C | |
| 31.0 | 31.3C | |
| 35.0 | 35.3C | |
| 39.5 | 39.8C | |
| 40.7 | 41.0C | |
| 45.0 | 45.4C | |
| 48.0 | 48.4C | 719D |

CRUISE NUMBER 72001 STATION NUMBER 047

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.230 | 4.230 | 26.160 | 2078 | 2078 | 1456.0 | 0 | 0 | 6998 |
| | 10.0 | 10.1A | 4.172A | 4.171 | 26.181A | 2080 | 2080 | 1456.0A | 71 | 3 | 6977 |
| | 20.0 | 20.2A | 4.178D | 4.178 | 26.235A | 2084 | 2084 | 1456.2A | 141 | 14 | 6937 |
| | 30.0 | 30.2 | 3.820 | 3.818 | 26.810 | 2133 | 2133 | 1455.6 | 209 | 32 | 6472 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 760 |
| 10.0 | 10.1A | 775A |
| 20.0 | 20.2A | 759A |
| 30.0 | 30.2 | 745W |

CRUISE NUMBER 72001 STATION NUMBER 048

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 280 | WW | 01 | COUN | 18 |
| LONG | W 80 0.00 | MONTH | 10 | SWEL-P/H | 0504 | WIND-SPD | 06 | CLD-A | 5 | INST | 07 |
| DEPTH | 68.5 | DAY | 02 | SWEL-D | 320 | AIR-TEM | 5.8 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1812 | BARO | 1022.0 | WET-BLB | 5.5 | | | UNAS BP | 78 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1817 | 0.0 | 0.0C | 4.640P | 4.640 | 25.690P | 2038 | 2038 | 1457.2C | 0 | 0 | 7389 |
| 1817 | 5.0 | 5.0C | 4.600P | 4.600 | 25.720P | 2040 | 2040 | 1457.1C | 37 | 1 | 7362 |
| 1817 | 9.5 | 9.6C | 4.590P | 4.589 | 25.740P | 2042 | 2042 | 1457.2C | 71 | 3 | 7346 |
| 1817 | 14.0 | 14.1C | 4.380P | 4.379 | 26.160P | 2077 | 2077 | 1456.9C | 103 | 7 | 7010 |
| 1817 | 19.0 | 19.2C | 4.210P | 4.209 | 26.370P | 2095 | 2095 | 1456.5C | 138 | 13 | 6837 |
| 1817 | 24.0 | 24.2C | 4.010P | 4.009 | 26.560P | 2112 | 2112 | 1456.0C | 172 | 21 | 6677 |
| 1817 | 28.5 | 28.7C | 3.590P | 3.588 | 26.830P | 2136 | 2136 | 1454.6C | 202 | 29 | 6439 |
| 1817 | 33.0 | 33.3C | 3.320P | 3.318 | 27.080P | 2158 | 2158 | 1453.9C | 231 | 38 | 6230 |
| 1817 | 39.0 | 39.3C | 2.560P | 2.558 | 27.660P | 2210 | 2210 | 1451.4C | 267 | 51 | 5737 |
| 1817 | 44.0 | 44.4C | 2.070P | 2.068 | 27.980P | 2238 | 2238 | 1449.7C | 295 | 63 | 5462 |
| 1817 | 47.5 | 47.9C | 1.970P | 1.968 | 28.080P | 2247 | 2247 | 1449.5C | 314 | 72 | 5380 |
| 1817 | 53.0 | 53.4C | 1.760P | 1.758 | 28.240P | 2261 | 2261 | 1448.8C | 343 | 87 | 5246 |
| 1817 | 60.0 | 60.5C | 1.600P | 1.598 | 28.400P | 2274 | 2274 | 1448.5C | 380 | 109 | 5115 |
| 1817 | 66.0 | 66.6C | 1.580P | 1.577 | 28.400P | 2275 | 2275 | 1448.5C | 411 | 129 | 5113 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 741D |
| 5.0 | 5.0C | |
| 9.5 | 9.6C | 741D |
| 14.0 | 14.1C | |
| 19.0 | 19.2C | 756D |
| 24.0 | 24.2C | |
| 28.5 | 28.7C | 741D |
| 33.0 | 33.3C | |
| 39.0 | 39.3C | |
| 44.0 | 44.4C | |
| 47.5 | 47.9C | 741D |
| 53.0 | 53.4C | |
| 60.0 | 60.5C | |
| 66.0 | 66.6C | |

CRUISE NUMBER 72001 STATION NUMBER 048

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.640 | 4.640 | 25.690 | 2038 | 2038 | 1457.2 | 0 | 0 | 7389 |
| | 10.0 | 10.1A | 4.570C | 4.569 | 25.787W | 2046 | 2046 | 1457.2A | 75 | 3 | 7312 |
| | 20.0 | 20.2A | 4.182D | 4.181 | 26.404C | 2098 | 2098 | 1456.4A | 145 | 14 | 6809 |
| | 30.0 | 30.2A | 3.506E | 3.504 | 26.906D | 2143 | 2143 | 1454.4A | 212 | 32 | 6375 |
| | 50.0 | 50.4A | 1.874D | 1.872 | 28.154B | 2254 | 2254 | 1449.2A | 327 | 79 | 5318 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 741 |
| 10.0 | 10.1A | 742A |
| 20.0 | 20.2A | 755A |
| 30.0 | 30.2A | 741W |

CRUISE NUMBER 72001 STATION NUMBER 049

| | | | | | | |
|--------------|------|-----------|---------------|--------------|---------|------------|
| LAT N54 | 3.00 | YEAR 1972 | WAVE-P/H 0503 | WIND-DIR 220 | WW 03 | COUN 18 |
| LONG W 80 | 0.00 | MONTH 10 | SWEL-P/H 0504 | WIND-SPD 03 | CLD-A 7 | INST 07 |
| DEPTH 68.3 | | DAY 02 | SWEL-D 320 | AIR-TEM 4.5 | | RESTR |
| MARSD SQ 189 | | H/M 2005 | BARO 1022.3 | WET-BLB 1.2 | | UNAS BP 65 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2010 | 0.0 | 0.0C | 5.020P | 5.020 | 24.610P | 1949 | 1949 | 1457.3C | 0 | 0 | 8240 |
| 2010 | 3.0 | 3.0C | 5.080P | 5.080 | 24.610P | 1948 | 1948 | 1457.7C | 25 | 0 | 8245 |
| 2010 | 9.5 | 9.6C | 4.680P | 4.679 | 25.170P | 1996 | 1996 | 1456.8C | 78 | 4 | 7786 |
| 2010 | 15.0 | 15.1C | 4.400P | 4.399 | 25.480P | 2023 | 2023 | 1456.1C | 120 | 9 | 7528 |
| 2010 | 19.0 | 19.2C | 4.070P | 4.069 | 25.820P | 2053 | 2053 | 1455.2C | 150 | 14 | 7243 |
| 2010 | 25.0 | 25.2C | 3.630P | 3.629 | 26.380P | 2100 | 2100 | 1454.1C | 192 | 24 | 6784 |
| 2010 | 28.5 | 28.7C | 3.270P | 3.269 | 26.740P | 2132 | 2132 | 1453.1C | 215 | 30 | 6485 |
| 2010 | 33.0 | 33.3C | 2.780P | 2.778 | 27.160P | 2168 | 2168 | 1451.6C | 244 | 39 | 6132 |
| 2010 | 37.0 | 37.3C | 2.580P | 2.578 | 27.400P | 2189 | 2189 | 1451.1C | 269 | 48 | 5936 |
| 2010 | 41.0 | 41.3C | 2.430P | 2.428 | 27.540P | 2201 | 2201 | 1450.7C | 292 | 57 | 5820 |
| 2010 | 47.5 | 47.9C | 2.160P | 2.158 | 27.640P | 2211 | 2211 | 1449.7C | 330 | 75 | 5727 |
| 2010 | 53.0 | 53.4C | 1.970P | 1.968 | 28.030P | 2243 | 2243 | 1449.5C | 361 | 91 | 5418 |
| 2010 | 57.0 | 57.5C | 1.600P | 1.598 | 28.210P | 2259 | 2259 | 1448.1C | 383 | 103 | 5260 |
| 2010 | 65.0 | 65.5C | 1.530P | 1.527 | 28.410P | 2276 | 2276 | 1448.2C | 424 | 129 | 5103 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 741D |
| 3.0 | 3.0C | |
| 9.5 | 9.6C | 769D |
| 15.0 | 15.1C | |
| 19.0 | 19.2C | 756D |
| 25.0 | 25.2C | |
| 28.5 | 28.7C | 728D |
| 33.0 | 33.3C | |
| 37.0 | 37.3C | |
| 41.0 | 41.3C | |
| 47.5 | 47.9C | 728D |
| 53.0 | 53.4C | |
| 57.0 | 57.5C | |
| 65.0 | 65.5C | |

CRUISE NUMBER 72001

STATION NUMBER 049

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 5.020 | 5.020 | 24.610 | 1949 | 1949 | 1457.3 | 0 | 0 | 8240 |
| | 10.0 | 10.1A | 4.658C | 4.657 | 25.198C | 1998 | 1998 | 1456.7A | 82 | 4 | 7763 |
| | 20.0 | 20.2A | 4.002D | 4.001 | 25.909A | 2060 | 2060 | 1455.0A | 157 | 16 | 7170 |
| | 30.0 | 30.2A | 3.093E | 3.091 | 26.892C | 2145 | 2145 | 1452.6A | 225 | 33 | 6358 |
| | 50.0 | 50.4A | 2.094E | 2.092 | 27.817W | 2225 | 2225 | 1449.7B | 344 | 82 | 5593 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 741 |
| 10.0 | 10.1A | 769A |
| 20.0 | 20.2A | 753A |
| 30.0 | 30.2A | 728W |

CRUISE NUMBER 72001 STATION NUMBER 050

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 39.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 020 | HW | 73 | COUN | 18 |
| LONG | W 79 36.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 60.9 | DAY | 11 | SWEL-D | 000 | AIR-TEM | 1.5 | | | RESTR | |
| MARSD | SQ 188 | H/M | 1610 | BARO | 1012.8 | WET-BLB | 1.5 | | | UNAS BP | 30 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1610 | 0.0 | 0.0C | 4.800P | 4.800 | 24.980P | 1980 | 1980 | 1456.9C | 0 | 0 | 7941 |
| 1610 | 5.0 | 5.0C | 4.800P | 4.800 | 24.970P | 1979 | 1979 | 1457.0C | 40 | 1 | 7948 |
| 1610 | 9.6 | 9.7C | 4.800P | 4.799 | 25.010P | 1982 | 1982 | 1457.1C | 77 | 4 | 7918 |
| 1610 | 13.0 | 13.1C | 4.820P | 4.819 | 25.030P | 1984 | 1984 | 1457.3C | 104 | 7 | 7904 |
| 1610 | 14.0 | 14.1C | 4.790P | 4.789 | 25.080P | 1988 | 1988 | 1457.2C | 112 | 8 | 7864 |
| 1610 | 17.0 | 17.1C | 4.670P | 4.669 | 25.260P | 2003 | 2003 | 1457.0C | 135 | 12 | 7717 |
| 1610 | 19.3 | 19.5C | 4.600P | 4.599 | 25.380P | 2013 | 2013 | 1456.9C | 154 | 15 | 7620 |
| 1610 | 25.0 | 25.2C | 4.470P | 4.468 | 25.580P | 2030 | 2030 | 1456.7C | 197 | 25 | 7457 |
| 1610 | 28.9 | 29.1C | 4.400P | 4.398 | 25.610P | 2033 | 2033 | 1456.5C | 226 | 33 | 7429 |
| 1610 | 35.0 | 35.3C | 4.330P | 4.328 | 25.690P | 2040 | 2040 | 1456.4C | 271 | 48 | 7362 |
| 1610 | 40.0 | 40.3C | 4.240P | 4.238 | 25.800P | 2050 | 2050 | 1456.2C | 308 | 62 | 7271 |
| 1610 | 45.0 | 45.4C | 4.050P | 4.047 | 26.090P | 2074 | 2074 | 1455.9C | 345 | 78 | 7036 |
| 1610 | 48.2 | 48.6C | 3.980P | 3.977 | 26.230P | 2086 | 2086 | 1455.8C | 367 | 89 | 6924 |
| 1610 | 55.0 | 55.5C | 3.870P | 3.867 | 26.390P | 2099 | 2099 | 1455.7C | 414 | 114 | 6794 |
| 1610 | 59.0 | 59.5C | 3.830P | 3.827 | 26.400P | 2100 | 2100 | 1455.6C | 441 | 130 | 6783 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 790D |
| 5.0 | 5.0C | |
| 9.6 | 9.7C | 788D |
| 13.0 | 13.1C | |
| 14.0 | 14.1C | |
| 17.0 | 17.1C | |
| 19.3 | 19.5C | 775D |
| 25.0 | 25.2C | |
| 28.9 | 29.1C | 775D |
| 35.0 | 35.3C | |
| 40.0 | 40.3C | |
| 45.0 | 45.4C | |
| 48.2 | 48.6C | 788D |
| 55.0 | 55.5C | |
| 59.0 | 59.5C | |

STATION NUMBER 050

22

CRUISE NUMBER 72001 STATION NUMBER 051

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 38.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 020 | WW | 02 | COUN | 18 |
| LONG | W 79 58.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 45.7 | DAY | 11 | SWEL-D | 000 | AIR-TEM | 2.5 | | | REST | |
| MARSD SQ | 188 | H/M | 1800 | BARO | 1011.5 | WET-BLB | 2.0 | | | UNAS BP | 20 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1825 | 0.0 | 0.0C | 3.58 D | 3.580 | 26.758B | 2131 | 2131 | 1454.0C | 0 | 0 | 6494 |
| 1825 | 9.8 | 9.9C | 3.45 F | 3.449 | 26.759B | 2132 | 2132 | 1453.6C | 64 | 3 | 6484 |
| 1825 | 19.6 | 19.8C | 3.42 D | 3.419 | 26.830B | 2138 | 2138 | 1453.7C | 128 | 13 | 6427 |
| 1825 | 29.5 | 29.7C | 3.42 E | 3.418 | 26.864B | 2140 | 2140 | 1453.9C | 192 | 29 | 6401 |
| 1825 | 39.3 | 39.6C | 3.31 E | 3.308 | 27.000B | 2152 | 2152 | 1453.8C | 254 | 51 | 6289 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 788D |
| 9.8 | 9.9C | 795D |
| 19.6 | 19.8C | 788D |
| 29.5 | 29.7C | 775D |
| 39.3 | 39.6C | 775D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.580 | 3.580 | 26.758 | 2131 | 2131 | 1454.0 | 0 | 0 | 6494 |
| | 10.0 | 10.1A | 3.449A | 3.448 | 26.760A | 2132 | 2132 | 1453.6A | 65 | 3 | 6483 |
| | 20.0 | 20.2A | 3.421A | 3.420 | 26.831A | 2138 | 2138 | 1453.7A | 131 | 14 | 6426 |
| | 30.0 | 30.2W | 3.414W | 3.412 | 26.871W | 2141 | 2141 | 1453.9W | 195 | 30 | 6395 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 788 |
| 10.0 | 10.1A | 795A |
| 20.0 | 20.2A | 787A |
| 30.0 | 30.2W | 775W |

CRUISE NUMBER 72001

STATION NUMBER 052

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N53 | 50.20 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 000 | WW | 02 | COUN | 18 |
| LONG | W 80 | 1.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | | 67.0 | DAY | 11 | SWEL-D | 000 | AIR-TEM | 1.5 | | | HESTR | |
| HARE | SQ | 189 | H/M | 1934 | BARO | 1011.2 | WET-BLB | 1.3 | | | UNAS | BP 35 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | EGPT | EOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1940 | 0.0 | 0.0C | 3.960P | 3.960 | 25.995A | 2067 | 2067 | 1454.6C | 0 | 0 | 7103 |
| 1940 | 5.0 | 5.0C | 3.990P | | | | | | | | |
| 1940 | 9.3 | 9.4C | 3.940P | 3.939 | 26.00 D | 2069 | 2069 | 1454.7C | 67 | 3 | 7090 |
| 1940 | 15.0 | 15.1C | 3.810P | | | | | | | | |
| 1940 | 18.7 | 18.9C | 3.750P | 3.749 | 26.05 E | 2074 | 2074 | 1454.1C | 134 | 13 | 7040 |
| 1940 | 25.0 | 25.2C | 3.660P | | | | | | | | |
| 1940 | 28.1 | 28.3C | 3.650P | 3.648 | 26.38 D | 2100 | 2100 | 1454.3C | 199 | 28 | 6786 |
| 1940 | 35.0 | 35.3C | 3.600P | | | | | | | | |
| 1940 | 40.0 | 40.3C | 3.560P | | | | | | | | |
| 1940 | 46.9 | 47.3C | 3.380P | 3.377 | 26.87 D | 2141 | 2141 | 1454.1C | 324 | 77 | 6392 |
| 1940 | 50.0 | 50.4C | 3.280P | | | | | | | | |
| 1940 | 54.0 | 54.4C | 3.270P | | | | | | | | |
| 1940 | 58.0 | 58.5C | 3.270P | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 775D |
| 5.0 | 5.0C | |
| 9.3 | 9.4C | 775D |
| 15.0 | 15.1C | |
| 18.7 | 18.9C | 782D |
| 25.0 | 25.2C | |
| 28.1 | 28.3C | 782D |
| 35.0 | 35.3C | |
| 40.0 | 40.3C | |
| 46.9 | 47.3C | 788D |
| 50.0 | 50.4C | |
| 54.0 | 54.4C | |
| 58.0 | 58.5C | |

CRUISE NUMBER 72001 STATION NUMBER 052

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.960 | 3.960 | 25.995 | 2067 | 2067 | 1454.6 | 0 | 0 | 7103 |
| | 10.0 | 10.1A | 3.925C | 3.926 | 26.007C | 2069 | 2069 | 1454.7A | 72 | 4 | 7090 |
| | 20.0 | 20.2A | 3.727C | 3.733 | 26.094D | 2077 | 2077 | 1454.1A | 143 | 15 | 7010 |
| | 30.0 | 30.2A | 3.638B | 3.621 | 26.430W | 2104 | 2104 | 1454.3W | 212 | 33 | 6746 |
| | 50.0 | 50.4 | 3.280 | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 775 |
| 10.0 | 10.1A | 776A |
| 20.0 | 20.2A | 782A |
| 30.0 | 30.2A | 783W |

STATION NUMBER 053

| | | | | |
|-----|-------|----|-------|-------|
| 350 | WW | 70 | COUN | 18 |
| 08 | CLD-A | 8 | INST | 07 |
| 1.8 | | | RESTR | |
| 1.5 | | | UNAS | SP 25 |

| SGPT | SOUND | GEOA | CHI | SV4 |
|------|---------|------|-----|------|
| 1891 | 1454.4C | 0 | 0 | 8795 |
| 1953 | 1456.0C | 80 | 4 | 8200 |
| 1982 | 1456.5C | 156 | 15 | 7918 |
| 2026 | 1455.2C | 229 | 32 | 7495 |

| SGPT | SOUND | GEOA | CHI | SVL |
|------|---------|------|-----|------|
| 1891 | 1454.4 | 0 | 0 | 8795 |
| 1955 | 1456.1A | 86 | 5 | 8176 |
| 1988 | 1456.3W | 166 | 17 | 7860 |

CRUISE NUMBER 72001

STATION NUMBER 053

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 788 |
| 10.0 | 10.1A | 788A |
| 20.0 | 20.2A | 780W |

CRUISE NUMBER 72001

STATION NUMBER 054

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 340 | WW | 70 | COUN | 18 |
| LONG | W 79 21.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 09 | CLD-A | 8 | INST | 07 |
| DEPTH | 39.3 | DAY | 11 | SWEL-D | 350 | AIR-TEM | 2.5 | | | RESTH | |
| MARSD | SQ 188 | H/M | 2305 | BARO | 1013.0 | WET-BLB | 2.0 | | | UNAS | SP D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| 2317 | 0.0 | 0.0C | 4.39 D | 4.390 | 20.513B | 1631 | 1631 | 1449.3C | 0 | 0 | 11312 |
| 2317 | 9.8 | 9.9C | 4.73 E | 4.729 | 23.409B | 1857 | 1857 | 1454.7C | 101 | 5 | 9128 |
| 2317 | 19.6 | 19.8C | 4.80 E | 4.799 | 24.145B | 1914 | 1914 | 1456.1C | 189 | 18 | 8574 |
| 2317 | 29.5 | 29.7C | 4.50 E | 4.498 | 24.973B | 1982 | 1982 | 1456.1C | 270 | 39 | 7920 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 816D |
| 9.8 | 9.9C | 782D |
| 19.6 | 19.8C | 754D |
| 29.5 | 29.7C | 792D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|-------|
| | 0.0 | 0.0 | 4.390 | 4.390 | 20.513 | 1631 | 1631 | 1449.3 | 0 | 0 | 11312 |
| | 10.0 | 10.1A | 4.735A | 4.734 | 23.434D | 1859 | 1859 | 1454.8A | 103 | 5 | 9109 |
| | 20.0 | 20.2W | 4.788W | 4.787 | 24.178W | 1917 | 1917 | 1456.1W | 192 | 19 | 8548 |
| | 30.0 | 30.2W | 4.485W | 4.483 | 25.015W | 1985 | 1985 | 1456.1W | 274 | 40 | 7887 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 816 |
| 10.0 | 10.1A | 781A |
| 20.0 | 20.2W | 756W |
| 30.0 | 30.2W | 794W |

CRUISE NUMBER 72001 STATION NUMBER 055

| | | | | | | | | | | | | |
|-------|------|-------|-------|------|----------|--------|----------|------|-------|----|-------|-------|
| LAT | N54 | 4.00 | YEAR | 1972 | WAVE-P/H | 0504 | WIND-DIR | 270 | WW | 02 | COUN | 18 |
| LONG | W 79 | 40.00 | MONTH | 10 | SWEL-P/H | 0504 | WIND-SPD | 12 | CLD-A | 7 | IMST | 07 |
| DEPTH | | 38.1 | DAY | 12 | SWEL-D | 290 | AIR-TEM | -1.5 | | | RESTR | |
| MARSD | SQ | 188 | H/M | 1848 | BARO | 1020.1 | WET-BLB | -3.0 | | | UNAS | SW 35 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1900 | 0.0 | 0.0C | 3.860P | 3.860 | 23.762C | 1891 | 1891 | 1451.3C | 0 | 0 | 8795 |
| 1900 | 5.0 | 5.0C | 3.880P | | | | | | | | |
| 1900 | 7.6 | 7.7C | 3.860P | 3.860 | 23.74 F | 1890 | 1890 | 1451.4C | 68 | 3 | 8805 |
| 1900 | 9.0 | 9.1C | 3.950P | | | | | | | | |
| 1900 | 10.0 | 10.1C | 4.000P | | | | | | | | |
| 1900 | 15.3 | 15.4C | 4.100P | 4.099 | 24.89 E | 1979 | 1979 | 1454.1C | 132 | 10 | 7946 |
| 1900 | 20.0 | 20.2C | 4.170P | | | | | | | | |
| 1900 | 22.9 | 23.1C | 4.160P | 4.159 | 25.13 E | 1998 | 1998 | 1454.8C | 193 | 22 | 7767 |
| 1900 | 26.5 | 26.7C | 4.130P | | | | | | | | |
| 1900 | 30.6 | 30.9C | 3.780P | 3.778 | 25.28 E | 2013 | 2013 | 1453.4C | 253 | 39 | 7625 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 756D |
| 5.0 | 5.0C | |
| 7.6 | 7.7C | 783D |
| 9.0 | 9.1C | |
| 10.0 | 10.1C | |
| 15.3 | 15.4C | 769D |
| 20.0 | 20.2C | |
| 22.9 | 23.1C | 790D |
| 26.5 | 26.7C | |
| 30.6 | 30.9C | 756D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.860 | 3.860 | 23.762 | 1891 | 1891 | 1451.3 | 0 | 0 | 8795 |
| | 10.0 | 10.1 | 4.000 | 3.931 | 24.107W | 1917 | 1917 | 1452.2B | 88 | 5 | 8548 |
| | 20.0 | 20.2 | 4.170 | 4.172 | 25.047W | 1995 | 1995 | 1454.8A | 170 | 17 | 7794 |
| | 30.0 | 30.3W | 3.831W | 3.808 | 25.277W | 2012 | 2012 | 1453.5W | 248 | 38 | 7636 |

CRUISE NUMBER 72001

STATION NUMBER 055

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 756 |
| 10.0 | 10.1 | 779C |
| 20.0 | 20.2 | 783C |
| 30.0 | 30.3W | 759W |

CRUISE NUMBER 72001 STATION NUMBER 056

| | | | | | | | | | | | | |
|-------|------|------|-------|------|----------|--------|----------|------|-------|----|-------|-------|
| LAT | N54 | 4.00 | YEAR | 1972 | WAVE-P/H | 0505 | WIND-DIR | 270 | WM | 70 | COUN | 18 |
| LONG | W 80 | 0.00 | MONTH | 10 | SWEL-P/H | 0504 | WIND-SPD | 13 | CLD-A | 8 | INST | 07 |
| DEPTH | | 59.4 | DAY | 12 | SWEL-D | 290 | AIR-TEM | -2.2 | | | RESTR | |
| MARSD | SQ | 189 | H/M | 2045 | BARO | 1019.9 | WET-BLB | -2.6 | | | UNAS | SN 40 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 2100 | 0.0 | 0.0C | 4.000P | 4.000 | 25.049A | 1992 | 1992 | 1453.6C | 0 | 0 | 7825 |
| 2100 | 5.0 | 5.0C | 4.010P | | | | | | | | |
| 2100 | 7.6 | 7.7C | 4.000P | 4.000 | 25.07 E | 1994 | 1994 | 1453.7C | 60 | 2 | 7807 |
| 2100 | 10.0 | 10.1C | 3.980P | | | | | | | | |
| 2100 | 15.3 | 15.4C | 3.720P | 3.719 | 26.191C | 2085 | 2085 | 1454.1C | 117 | 9 | 6935 |
| 2100 | 20.0 | 20.2C | 3.470P | | | | | | | | |
| 2100 | 22.9 | 23.1C | 3.440P | 3.439 | 26.436C | 2106 | 2106 | 1453.4C | 169 | 19 | 6728 |
| 2100 | 30.0 | 30.3C | 3.420P | | | | | | | | |
| 2100 | 38.3 | 38.6C | 3.430P | 3.428 | 26.72 F | 2129 | 2129 | 1453.9C | 272 | 51 | 6511 |
| 2100 | 40.0 | 40.3C | 3.400P | | | | | | | | |
| 2100 | 45.0 | 45.4C | 3.340P | | | | | | | | |
| 2100 | 50.0 | 50.4C | 3.200P | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|-----|
| 0.0 | 0.0C | 763 |
| 5.0 | 5.0C | |
| 7.6 | 7.7C | 769 |
| 10.0 | 10.1C | |
| 15.3 | 15.4C | 795 |
| 20.0 | 20.2C | |
| 22.9 | 23.1C | 774 |
| 30.0 | 30.3C | |
| 38.3 | 38.6C | 756 |
| 40.0 | 40.3C | |
| 45.0 | 45.4C | |
| 50.0 | 50.4C | |

CRUISE NUMBER 72001 STATION NUMBER 056

I N T E R P O L A T E D

| GMT | DEPTH | PRES | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|------|-------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 4.000 | 4.000 | 25.049 | 1992 | 1992 | 1453.6 | 0 | 0 | 7825 |
| | 10.0 | 10.1 | 3.980 | 3.928 | 25.421W | 2021 | 2021 | 1453.9A | 78 | 4 | 7546 |
| | 20.0 | 20.2 | 3.470 | 3.535 | 26.343W | 2102 | 2102 | 1453.7A | 149 | 15 | 6765 |
| | 30.0 | 30.3 | 3.420 | 3.434 | 26.567W | 2117 | 2117 | 1453.6W | 216 | 34 | 6628 |
| | 50.0 | 50.4 | 3.200 | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 763 |
| 10.0 | 10.1 | 779C |
| 20.0 | 20.2 | 784C |
| 30.0 | 30.3 | 766W |

CRUISE NUMBER 72001 STATION NUMBER 057

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|------|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 240 | WW | 70 | COUN | 18 |
| LONG | W 80 34.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 10 | CLD-A | 8 | INST | 07 |
| DEPTH | 22.9 | DAY | 13 | SWEL-D | 250 | AIR-TEM | -0.4 | | | RESTR | |
| MARSD SQ | 189 | H/M | 0000 | BARO | 1018.4 | WET-BLB | -0.1 | | | UNAS NN | D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SWA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 0012 | 0.0 | 0.0C | 3.43 E | 3.430 | 26.660B | 2124 | 2124 | 1453.2C | 0 | 0 | 6558 |
| 0012 | 8.4 | 8.5C | 3.41 D | 3.410 | 26.721B | 2129 | 2129 | 1453.4C | 56 | 2 | 6510 |
| 0012 | 16.9 | 17.0C | 3.36 E | 3.359 | 26.751B | 2132 | 2132 | 1453.3C | 111 | 10 | 6483 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 797D |
| 8.4 | 8.5C | 786D |
| 16.9 | 17.0C | 782D |

INTERPOLATED

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 10 | 10 | 10 |
| 20 | 20 | 20 |
| 30 | 30 | 30 |
| 40 | 40 | 40 |
| 50 | 50 | 50 |
| 60 | 60 | 60 |
| 70 | 70 | 70 |
| 80 | 80 | 80 |
| 90 | 90 | 90 |
| 100 | 100 | 100 |
| 110 | 110 | 110 |
| 120 | 120 | 120 |
| 130 | 130 | 130 |
| 140 | 140 | 140 |
| 150 | 150 | 150 |
| 160 | 160 | 160 |
| 170 | 170 | 170 |
| 180 | 180 | 180 |
| 190 | 190 | 190 |
| 200 | 200 | 200 |
| 210 | 210 | 210 |
| 220 | 220 | 220 |
| 230 | 230 | 230 |
| 240 | 240 | 240 |
| 250 | 250 | 250 |
| 260 | 260 | 260 |
| 270 | 270 | 270 |
| 280 | 280 | 280 |
| 290 | 290 | 290 |
| 300 | 300 | 300 |
| 310 | 310 | 310 |
| 320 | 320 | 320 |
| 330 | 330 | 330 |
| 340 | 340 | 340 |
| 350 | 350 | 350 |
| 360 | 360 | 360 |
| 370 | 370 | 370 |
| 380 | 380 | 380 |
| 390 | 390 | 390 |
| 400 | 400 | 400 |
| 410 | 410 | 410 |
| 420 | 420 | 420 |
| 430 | 430 | 430 |
| 440 | 440 | 440 |
| 450 | 450 | 450 |
| 460 | 460 | 460 |
| 470 | 470 | 470 |
| 480 | 480 | 480 |
| 490 | 490 | 490 |
| 500 | 500 | 500 |
| 510 | 510 | 510 |
| 520 | 520 | 520 |
| 530 | 530 | 530 |
| 540 | 540 | 540 |
| 550 | 550 | 550 |
| 560 | 560 | 560 |
| 570 | 570 | 570 |
| 580 | 580 | 580 |
| 590 | 590 | 590 |
| 600 | 600 | 600 |
| 610 | 610 | 610 |
| 620 | 620 | 620 |
| 630 | 630 | 630 |
| 640 | 640 | 640 |
| 650 | 650 | 650 |
| 660 | 660 | 660 |
| 670 | 670 | 670 |
| 680 | 680 | 680 |
| 690 | 690 | 690 |
| 700 | 700 | 700 |
| 710 | 710 | 710 |
| 720 | 720 | 720 |
| 730 | 730 | 730 |
| 740 | 740 | 740 |
| 750 | 750 | 750 |
| 760 | 760 | 760 |
| 770 | 770 | 770 |
| 780 | 780 | 780 |
| 790 | 790 | 790 |
| 800 | 800 | 800 |
| 810 | 810 | 810 |
| 820 | 820 | 820 |
| 830 | 830 | 830 |
| 840 | 840 | 840 |
| 850 | 850 | 850 |
| 860 | 860 | 860 |
| 870 | 870 | 870 |
| 880 | 880 | 880 |
| 890 | 890 | 890 |
| 900 | 900 | 900 |
| 910 | 910 | 910 |
| 920 | 920 | 920 |
| 930 | 930 | 930 |
| 940 | 940 | 940 |
| 950 | 950 | 950 |
| 960 | 960 | 960 |
| 970 | 970 | 970 |
| 980 | 980 | 980 |
| 990 | 990 | 990 |
| 1000 | 1000 | 1000 |

CRUISE NUMBER 72001

STATION NUMBER 058

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|------|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0503 | WIND-DIR | 260 | WW | 70 | COUN | 18 |
| LONG | W 80 58.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 09 | CLD-A | 8 | INST | 07 |
| DEPTH | 33.5 | DAY | 13 | SWEL-D | 250 | AIR-TEM | 0.0 | | | RESTR | |
| MARSD SQ | 189 | H/M | 0150 | BARO | 1016.8 | WET-BLB | -1.6 | | | UNAS NN | D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 0205 | 0.0 | 0.0C | 3.28 F | 3.280 | 27.173B | 2166 | 2166 | 1453.3C | 0 | 0 | 6157 |
| 0205 | 9.3 | 9.4C | 3.27 E | 3.270 | 27.185B | 2167 | 2167 | 1453.4C | 58 | 3 | 6147 |
| 0205 | 18.7 | 18.9C | 3.22 E | 3.219 | 27.450B | 2188 | 2188 | 1453.7C | 115 | 11 | 5942 |
| 0205 | 28.1 | 28.3C | 3.21 E | 3.209 | 27.495B | 2192 | 2192 | 1453.8C | 171 | 24 | 5907 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 801D |
| 9.3 | 9.4C | 787D |
| 18.7 | 18.9C | 774D |
| 28.1 | 28.3C | 781D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.280 | 3.280 | 27.173 | 2166 | 2166 | 1453.3 | 0 | 0 | 6157 |
| | 10.0 | 10.1A | 3.266A | 3.266 | 27.204D | 2169 | 2169 | 1453.4A | 62 | 3 | 6132 |
| | 20.0 | 20.2W | 3.219W | 3.218 | 27.456W | 2189 | 2189 | 1453.7W | 123 | 13 | 5937 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 801 |
| 10.0 | 10.1A | 786A |
| 20.0 | 20.2W | 775W |

CRUISE NUMBER 72001 STATION NUMBER 059

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|------|-------|----|-------|------|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0502 | WIND-DIR | 240 | WW | 70 | COUN | 18 |
| LONG | W 81 26.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 12 | CLD-A | 8 | INST | 07 |
| DEPTH | 38.4 | DAY | 13 | SWEL-D | 250 | AIR-TEM | 1.1 | | | RESTR | |
| MARSD | SQ 189 | H/M | 0335 | BARO | 1015.0 | WET-BLB | -0.1 | | | UNAS | NN D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 0350 | 0.0 | 0.0C | 3.54 E | 3.540 | 27.110B | 2159 | 2159 | 1454.3C | 0 | 0 | 6224 |
| 0350 | 8.1 | 8.2C | 3.42 F | 3.420 | 27.110B | 2160 | 2160 | 1453.9C | 51 | 2 | 6215 |
| 0350 | 16.3 | 16.4C | 3.42 D | 3.419 | 27.122B | 2161 | 2161 | 1454.1C | 102 | 9 | 6205 |
| 0350 | 24.5 | 24.7C | 3.44 E | 3.439 | 27.164B | 2164 | 2164 | 1454.3C | 153 | 19 | 6175 |
| 0350 | 32.7 | 33.0C | 3.45 D | 3.448 | 27.189B | 2166 | 2166 | 1454.6C | 204 | 34 | 6156 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 794D |
| 8.1 | 8.2C | 801D |
| 16.3 | 16.4C | 787D |
| 24.5 | 24.7C | 794D |
| 32.7 | 33.0C | 787D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.540 | 3.540 | 27.110 | 2159 | 2159 | 1454.3 | 0 | 0 | 6224 |
| | 10.0 | 10.1A | 3.414C | 3.413 | 27.111A | 2160 | 2160 | 1453.9A | 63 | 3 | 6214 |
| | 20.0 | 20.1A | 3.428B | 3.427 | 27.140B | 2162 | 2162 | 1454.2A | 125 | 13 | 6192 |
| | 30.0 | 30.3W | 3.447W | 3.445 | 27.181W | 2165 | 2165 | 1454.5W | 187 | 29 | 6162 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 794 |
| 10.0 | 10.1A | 798B |
| 20.0 | 20.1A | 790B |
| 30.0 | 30.3W | 789W |

CRUISE NUMBER 72001

STATION NUMBER 060

| | | | | | | | | | | | |
|----------|-----------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N53 50.00 | YEAR | 1972 | WAVE-P/H | 0302 | WIND-DIR | 220 | WW | 02 | COUN | 18 |
| LONG W | 81 49.00 | MONTH | 10 | SWEL-P/H | 0502 | WIND-SPD | 12 | CLD-A | 8 | INST | 07 |
| DEPTH | 24.3 | DAY | 13 | SWEL-D | 200 | AIR-TEM | 1.3 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1300 | BARO | 1007.8 | WET-BLB | 0.5 | | | UNAS NP | 05 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1315 | 0.0 | 0.0C | 3.17 F | 3.170 | 25.847B | 2061 | 2061 | 1451.0C | 0 | 0 | 7159 |
| 1315 | 9.2 | 9.3C | 3.21 E | 3.210 | 26.032B | 2076 | 2076 | 1451.6C | 66 | 3 | 7020 |
| 1315 | 18.4 | 18.6C | 3.56 E | 3.559 | 26.798B | 2134 | 2134 | 1454.3C | 129 | 12 | 6462 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 787D |
| 9.2 | 9.3C | 781D |
| 18.4 | 18.6C | 774D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|
| | | | | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|-----|
| | | |

CRUISE NUMBER 72001 STATION NUMBER 061

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|---------|----|
| LAT | N54 46.80 | YEAR | 1972 | WAVE-P/H | 0501 | WIND-DIR | 220 | WW | 72 | COUN | 18 |
| LONG | W 81 59.00 | MONTH | 10 | SWEL-P/H | 0501 | WIND-SPD | 08 | CLD-A | 8 | INST | 07 |
| DEPTH | 21.3 | DAY | 13 | SWEL-D | 200 | AIR-TEM | 1.5 | | | RESTR | |
| MARSD SQ | 189 | H/M | 1802 | BARO | 1004.5 | WET-BLB | 1.0 | | | UNAS NP | 05 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1815 | 0.0 | 0.0C | 3.10 E | 3.100 | 26.249B | 2094 | 2094 | 1451.2C | 0 | 0 | 6848 |
| 1815 | 9.0 | 9.1C | 3.25 E | 3.250 | 26.294B | 2096 | 2096 | 1452.1C | 62 | 3 | 6823 |
| 1815 | 18.1 | 18.3C | 3.09 E | 3.089 | 26.365B | 2103 | 2103 | 1451.7C | 125 | 12 | 6758 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 7870 |
| 9.0 | 9.1C | 7870 |
| 18.1 | 18.3C | 7810 |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|------|--------|-----|------|------|-------|------|-----|-----|
| | | | | | | | | | | | |

| DEPTH | PRESS | OXY |
|-------|-------|-----|
| | | |

CRUISE NUMBER 72001

STATION NUMBER 062

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|-------|
| LAT | N54 46.80 | YEAR | 1972 | WAVE-P/H | 0501 | WIND-DIR | 220 | MW | 70 | COUN | 18 |
| LONG | W 81 33.00 | MONTH | 10 | SWEL-P/H | 0501 | WIND-SPD | 07 | CLD-A | 8 | INST | 07 |
| DEPTH | 40.2 | DAY | 13 | SWEL-D | 200 | AIR-TEM | 1.2 | | | RESTR | |
| MARSD | SQ 189 | H/M | 1940 | BARO | 1004.2 | WET-BLB | 1.0 | | | UNAS | NP 20 |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| 1952 | 0.0 | 0.0C | 2.97 D | 2.970 | 28.026B | 2236 | 2236 | 1453.1C | 0 | 0 | 5487 |
| 1952 | 9.3 | 9.4C | 2.97 D | 2.970 | 28.051B | 2238 | 2238 | 1453.2C | 51 | 2 | 5468 |
| 1952 | 18.7 | 18.9C | 2.89 E | 2.889 | 28.256B | 2255 | 2255 | 1453.3C | 103 | 10 | 5306 |
| 1952 | 28.1 | 28.3C | 3.05 E | 3.049 | 28.273B | 2255 | 2255 | 1454.2C | 153 | 22 | 5304 |
| 1952 | 37.5 | 37.8C | 2.88 D | 2.878 | 28.340B | 2262 | 2262 | 1453.7C | 203 | 39 | 5241 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 767D |
| 9.3 | 9.4C | 774D |
| 18.7 | 18.9C | 774D |
| 28.1 | 28.3C | 774D |
| 37.5 | 37.8C | 774D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 2.970 | 2.970 | 28.026 | 2236 | 2236 | 1453.1 | 0 | 0 | 5487 |
| | 10.0 | 10.1A | 2.961C | 2.961 | 28.066C | 2239 | 2239 | 1453.2A | 55 | 2 | 5456 |
| | 20.0 | 20.2A | 2.915E | 2.914 | 28.262C | 2255 | 2255 | 1453.4A | 110 | 11 | 5303 |
| | 30.0 | 30.2W | 3.016W | 3.014 | 28.287W | 2256 | 2256 | 1454.1W | 163 | 25 | 5291 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 767 |
| 10.0 | 10.1A | 774A |
| 20.0 | 20.2A | 774A |
| 30.0 | 30.2W | 774W |

CRUISE NUMBER 72001 STATION NUMBER 063

| | | | | | | | | | | | |
|----------|------------|-------|------|----------|--------|----------|-----|-------|----|------------|----|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0501 | WIND-DIR | 240 | HW | 70 | COUN | 18 |
| LONG | W 80 58.00 | MONTH | 10 | SWEL-P/H | 0501 | WIND-SPD | 06 | CLD-A | 8 | INST | 07 |
| DEPTH | 77.7 | DAY | 13 | SWEL-D | 200 | AIR-TEM | 1.2 | | | RESTR | |
| MARSD SQ | 189 | H/M | 2140 | BARO | 1003.2 | WET-BLB | 1.0 | | | UNAS NP125 | |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 2200 | 0.0 | 0.0C | 2.67 F | 2.670 | 28.320B | 2261 | 2261 | 1452.1C | 0 | 0 | 5243 |
| 2200 | 8.1 | 8.2C | 2.67 E | 2.670 | 28.358B | 2264 | 2264 | 1452.3C | 43 | 2 | 5214 |
| 2200 | 16.3 | 16.4C | 2.67 E | 2.669 | 28.365B | 2265 | 2265 | 1452.5C | 86 | 7 | 5208 |
| 2200 | 24.5 | 24.7C | 2.79 D | 2.789 | 28.393B | 2266 | 2266 | 1453.2C | 129 | 16 | 5195 |
| 2200 | 40.9 | 41.2C | -0.17 E | -0.170 | 30.584B | 2458 | 2458 | 1443.1C | 200 | 39 | 3366 |
| 2200 | 61.4 | 61.9C | -1.32 D | -1.320 | 31.556B | 2540 | 2540 | 1439.4C | 261 | 72 | 2584 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 797D |
| 8.1 | 8.2C | 790D |
| 16.3 | 16.4C | 797D |
| 24.5 | 24.7C | 794D |
| 40.9 | 41.2C | 783D |
| 61.4 | 61.9C | 669D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 2.670 | 2.670 | 28.320 | 2261 | 2261 | 1452.1 | 0 | 0 | 5243 |
| | 10.0 | 10.1A | 2.665C | 2.664 | 28.360B | 2264 | 2264 | 1452.3A | 53 | 3 | 5212 |
| | 20.0 | 20.1A | 2.783F | 2.782 | 28.378W | 2262 | 2262 | 1453.0B | 106 | 11 | 5240 |
| | 30.0 | 30.2A | 1.797W | 1.933 | 29.128W | 2323 | 2323 | 1450.3D | 155 | 23 | 4656 |
| | 50.0 | 50.4W | -0.679W | -0.679 | 31.015W | 2494 | 2494 | 1441.5W | 227 | 54 | 3019 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 797 |
| 10.0 | 10.1A | 791A |
| 20.0 | 20.1A | 796A |
| 30.0 | 30.2A | 795C |
| 50.0 | 50.4W | 732W |

CRUISE NUMBER 72001 STATION NUMBER 064

| | | | | | | | | | | | |
|-------|------------|-------|------|----------|--------|----------|-----|-------|----|-------|------|
| LAT | N54 46.00 | YEAR | 1972 | WAVE-P/H | 0501 | WIND-DIR | 270 | WW | 70 | COUN | 18 |
| LONG | W 80 24.00 | MONTH | 10 | SWEL-P/H | 0501 | WIND-SPD | 07 | CLD-A | 8 | INST | 07 |
| DEPTH | 110.6 | DAY | 13 | SWEL-D | 230 | AIR-TEM | 1.0 | | | RESTR | |
| MARSD | SQ 189 | H/M | 2355 | BARO | 1003.0 | WET-BLB | 0.8 | | | UNAS | NP D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 2409 | 0.0 | 0.0C | 3.209C | 3.209 | 26.810B | 2138 | 2138 | 1452.5C | 0 | 0 | 6428 |
| 2409 | 9.6 | 9.7C | 3.207C | 3.206 | 26.926B | 2147 | 2147 | 1452.8C | 62 | 3 | 6339 |
| 2409 | 19.3 | 19.5C | 3.09 E | 3.089 | 28.006B | 2233 | 2233 | 1453.9C | 120 | 12 | 5510 |
| 2409 | 28.9 | 29.1C | 2.19 F | 2.189 | 28.541B | 2282 | 2282 | 1450.8C | 171 | 24 | 5043 |
| 2409 | 48.2 | 48.6C | 1.15 E | 1.148 | 29.579B | 2371 | 2371 | 1447.8C | 261 | 59 | 4192 |
| 2409 | 72.4 | 73.0C | -0.32 F | -0.321 | 30.648B | 2463 | 2463 | 1443.0C | 352 | 115 | 3309 |
| 2409 | 96.5 | 97.3C | -1.34 E | -1.341 | 31.655B | 2548 | 2548 | 1440.0C | 422 | 176 | 2504 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 783D |
| 9.6 | 9.7C | 783D |
| 19.3 | 19.5C | 756D |
| 28.9 | 29.1C | 741D |
| 48.2 | 48.6C | 708D |
| 72.4 | 73.0C | 708D |
| 96.5 | 97.3C | 653D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.209 | 3.209 | 26.810 | 2138 | 2138 | 1452.5 | 0 | 0 | 6428 |
| | 10.0 | 10.1A | 3.211C | 3.210 | 26.966D | 2150 | 2150 | 1452.9A | 65 | 3 | 6309 |
| | 20.0 | 20.2A | 3.033E | 3.032 | 28.054D | 2237 | 2237 | 1453.7A | 124 | 13 | 5470 |
| | 30.0 | 30.2A | 2.118E | 2.117 | 28.603B | 2287 | 2287 | 1450.6A | 177 | 26 | 4991 |
| | 50.0 | 50.4A | 1.036D | 1.034 | 29.664C | 2378 | 2378 | 1447.4A | 269 | 63 | 4122 |
| | 75.0 | 75.6W | -0.429W | -0.430 | 30.757W | 2472 | 2472 | 1442.7W | 360 | 122 | 3222 |

CRUISE NUMBER 72001

STATION NUMBER 064

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 783 |
| 10.0 | 10.1A | 782A |
| 20.0 | 20.2A | 755A |
| 30.0 | 30.2A | 739A |
| 50.0 | 50.4A | 708B |
| 75.0 | 75.6W | 702W |

CRUISE NUMBER 72001 STATION NUMBER 065

| | | | | | |
|----------------|-----------|---------------|--------------|---------|-----------|
| LAT N54 47.00 | YEAR 1972 | WAVE-P/H 0501 | WIND-DIR 310 | WW 73 | COUN 18 |
| LONG W 80 1.00 | MONTH 10 | SWEL-P/H 0501 | WIND-SPD 05 | CLD-A 8 | INST 07 |
| DEPTH 129.5 | DAY 14 | SWEL-D 290 | AIR-TEM 4.3 | | RESTR |
| MARSD SQ 189 | H/M 0135 | BARO 1002.2 | WET-BLE 2.5 | | UNAS NP D |

O B S E R V E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|------|-------|-------|---------|--------|---------|------|------|---------|------|-----|------|
| 0157 | 0.0 | 0.0C | 3.31 E | 3.310 | 26.487B | 2111 | 2111 | 1452.5C | 0 | 0 | 6681 |
| 0157 | 9.6 | 9.7C | 3.33 D | 3.329 | 26.512B | 2113 | 2113 | 1452.8C | 65 | 3 | 6663 |
| 0157 | 19.3 | 19.5C | 3.28 D | 3.279 | 26.668B | 2126 | 2126 | 1452.9C | 129 | 13 | 6540 |
| 0157 | 28.9 | 29.1C | 3.19 E | 3.189 | 26.729B | 2131 | 2131 | 1452.8C | 192 | 28 | 6487 |
| 0157 | 48.2 | 48.6C | 2.73 D | 2.728 | 27.522B | 2198 | 2198 | 1452.1C | 313 | 76 | 5852 |
| 0157 | 72.4 | 73.0C | 1.31 F | 1.307 | 29.402B | 2356 | 2356 | 1448.7C | 438 | 153 | 4334 |
| 0157 | 96.5 | 97.3C | -1.35 F | -1.351 | 31.593B | 2543 | 2543 | 1439.8C | 522 | 225 | 2552 |

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0C | 790D |
| 9.6 | 9.7C | 769D |
| 19.3 | 19.5C | 775D |
| 28.9 | 29.1C | 302X |
| 48.2 | 48.6C | 741D |
| 72.4 | 73.0C | 721D |
| 96.5 | 97.3C | 653D |

I N T E R P O L A T E D

| GMT | DEPTH | PRESS | TEMP | POT. T | SAL | SGMT | SGPT | SOUND | GEOA | CHI | SVA |
|-----|-------|-------|--------|--------|---------|------|------|---------|------|-----|------|
| | 0.0 | 0.0 | 3.310 | 3.310 | 26.487 | 2111 | 2111 | 1452.5 | 0 | 0 | 6681 |
| | 10.0 | 10.1A | 3.329A | 3.328 | 26.518B | 2114 | 2114 | 1452.8A | 68 | 3 | 6658 |
| | 20.0 | 20.2A | 3.276A | 3.275 | 26.670C | 2126 | 2126 | 1452.9A | 134 | 14 | 6538 |
| | 30.0 | 30.2A | 3.177C | 3.176 | 26.754C | 2133 | 2133 | 1452.8A | 199 | 30 | 6467 |
| | 50.0 | 50.4A | 2.662C | 2.660 | 27.639D | 2208 | 2208 | 1452.0A | 324 | 81 | 5758 |
| | 75.0 | 75.6W | 1.023W | 1.020 | 29.638W | 2376 | 2376 | 1447.7W | 447 | 161 | 4142 |

CRUISE NUMBER 72001

STATION NUMBER 065

| DEPTH | PRESS | OXY |
|-------|-------|------|
| 0.0 | 0.0 | 790 |
| 10.0 | 10.1A | 774C |
| 20.0 | 20.2A | 741E |
| 30.0 | 30.2A | 308F |
| 50.0 | 50.4A | 751D |
| 75.0 | 75.6W | 714W |

REFERENCES

- Brown, N.L., and B.V. Hamon, 1961
An Inductive Salinometer, Deep-Sea Research, Vol. 8, No. 1, pp. 65-75.
- Pullen, T.W. 1972
James Bay Data Report 1972. Unpublished manuscript, Marine Sciences Directorate, Central Region, Burlington, Ontario.
- Rattray, M. 1962
Interpolation Errors and Oceanographic Sampling. Deep-Sea Research, Vol. 9, pp. 25-37.
- Reiniger, R.F. and C.K. Ross, 1968
A Method of Interpolation with Application to Oceanographic Data. Deep-Sea Research Vol. 15, pp. 185-193.
- Sweers, H.E. 1970
OCEANS IV: A Processing, Archiving and Retrieval System for Oceanographic Station Data M.S. Rept. No. 15, Marine Sciences Branch, Dept. Energy, Mines and Resources, 137 pp.

REFERENCES

- Brown, N.L., and B.V. Hamon, 1961
An Inductive Salinometer, Deep-Sea Research, Vol. 8, No. 1, pp. 65-75.
- Pullen, T.W. 1972
James Bay Data Report 1972. Unpublished manuscript, Marine Sciences Directorate, Central Region, Burlington, Ontario.
- Rattray, M. 1962
Interpolation Errors and Oceanographic Sampling. Deep-Sea Research, Vol. 9, pp. 25-37.
- Reiniger, R.F. and C.K. Ross, 1968
A Method of Interpolation with Application to Oceanographic Data. Deep-Sea Research Vol. 15, pp. 185-193.
- Sweers, H.E. 1970
OCEANS IV: A Processing, Archiving and Retrieval System for Oceanographic Station Data M.S. Rept. No. 15, Marine Sciences Branch, Dept. Energy, Mines and Resources. 137 pp.

PRINTED PUBLICATIONS OF THE CANADIAN OCEANOGRAPHIC DATA CENTRE
IN THE 1973 DATA RECORD SERIES

| NO. | TITLE | CODC REFERENCE |
|-----|----------------------|----------------|
| 1 | Gulf of St. Lawrence | 1810-72005 |

